ORDER NO. BSD03100170
D25

Service Manual

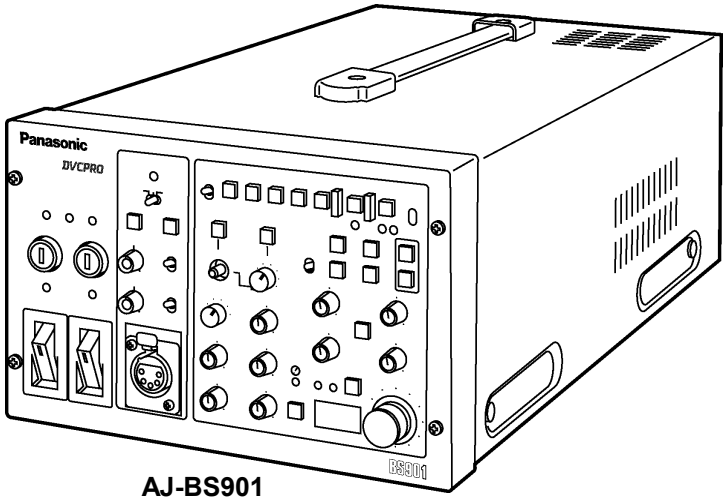
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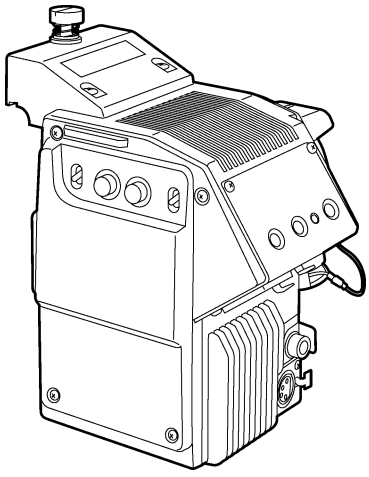
Simplified

Digital Triax Camera Adapter
AJ-CA901P/EN/MC

Digital Triax Base Station
AJ-BS901P/EN/MC



AJ-BS901



AJ-CA901

Please file and use this manual together with the service manual for Model No.AJ-CA900HP/EN, AJ-BS900HP/EN Order No. BSD0112M912.

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

AJ-CA901P/EN
Specifications

Input:	**100 V DC (supplied by AJ-BS901)**
	12V DC IN (11.5 V to 17.0 V DC)
Power consumption:	**BS Input 100 V : 450 mA**
	EXT Input 12 V : 3.2 A

Indicates safety information.

External dimensions (W × H × D):	6-3/16 × 7-9/16 × 6-13/16-inches (156.5 × 191.5 × 173 (mm))
Weight:	4.84 lbs (2.2 kg)
Operating temperature range:	32°F to 104°F (0°C to 40°C)
Storage temperature range:	–4°F to 140°F (–20°C to +60°C)
Operating humidity:	10 to 85% (relative humidity)

Transfer block

Signal transfer rate:	360 Mbps (AJ-CA901 to AJ-BS901)
Transfer distance:	300 m with diameter 8.6 mm cable (Fujikura) 500 m with diameter 14.5 mm cable (Fujikura)
Video transfer rate:	Signals from camera to base station: Y signal: 18 MHz sampling rate, 10-bit R-Y signal: 9 MHz sampling rate, 10-bit B-Y signal: 9 MHz sampling rate, 10-bit Signals from base station to camera: RET signal: FM modulation Prompt signal: FM modulation
Audio transfer rate:	Signals from camera to base station: 46.875 kHz sampling rate, 16-bit Signals from base station to camera: 11.71875 kHz sampling rate, 16-bit

Intercom

Microphone selection:	Switchable between dynamic microphone and carbon microphone
I/O level:	4-line/2-line: 0 dBm (600 Ω, balanced) RTS: 1 Vp-p (200 Ω) PGM: 0 dB (600 Ω, balanced)
Format:	Selectable between 4-line, 2-line, and RTS
Lines:	Base station to camera: 2 lines (ENG, PGM) Camera to base station: 1 line (ENG)
S/N ratio:	50 dB or more (base station to camera) (camera to base station)
Distortion:	1.0% or less
Frequency range:	100 Hz to 10 kHz (± 3 dB) (camera to base station) 100 Hz to 5 kHz (± 3 dB) (base station to camera)
Dynamic range:	12 dB or more

Video system

Teleprompt output (PROMPT):	1 Vp-p (1 Vp-p input to AJ-BS901)
RET output:	1 Vp-p (1 Vp-p input to AJ-BS901)

Input connectors

Intercom connector:	XLR 5-pin
External DC power supply input connector:	XLR 4-pin
RET SW connector:	8-pin

Output connectors

Teleprompt (PROMPT) output connector:	BNC VBS, 1 Vp-p, 75 Ω
RET signal output connector:	BNC VBS, 1 Vp-p, 75 Ω
External power supply output connector:	XLR 4-pin
PGM audio output connector:	XLR 3-pin

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

规格

BS Input: 100V DC, 450mA（由AJ-BS901供电）
EXT Input: 12V DC, 3.2A

显示安全信息。

外形尺寸（宽×高×深）:	156.5×191.5×173（mm）
质量:	2.2kg
操作温度范围:	0°C到40°C
存放温度范围:	–20°C到+60°C
操作湿度:	10%到85%（相对湿度）
支持机种:	AJ-D908

传输区段

信号传输速率:	360兆比特/秒（AJ-CA901到AJ-BS901）
传输距离:	300m（使用直径8.6mm的电缆）(Fujikura) 500m（使用直径14.5mm的电缆）(Fujikura)
视频传输速率:	信号从摄像机传输到基站: Y信号: 18MHz抽样频率，10-比特 R-Y信号: 9MHz抽样频率，10-比特 B-Y信号: 9MHz抽样频率，10-比特 信号从基站传输到摄像机: RET信号: FM调制 瞬发信号:FM调制
音频传输速率:	信号从摄像机传输到基站: 46.875kHz抽样频率，16-比特 信号从基站传输到摄像机: 11.71875kHz抽样频率，16-比特

对讲装置

麦克风选择:	可在动圈式麦克风和碳晶麦克风之间切换
I/O电平:	4-线/2-线: 0dBm（600Ω，平衡） RTS: 1Vp-p (200Ω) PGM: 0dBm（600Ω，平衡）
格式:	可在4-线、2-线和RTS之间选择
线路:	基站到摄像机: 2-线（ENG，PGM） 摄像机到基站: 1-线（ENG）
信噪比:	50dB或更高
失真:	1.0%或更低
频率范围:	100Hz到10kHz（±3dB）（摄像机到基站） 100Hz到5kHz（±3dB）（基站到摄像机）
动态范围:	12dB或更高

视频系统

电视瞬发输出（PROMPT）:	1Vp-p (1Vp-p输入到AJ-BS901)
RET输出:	1Vp-p (1Vp-p输入到AJ-BS901)

输入接口

对讲装置接口:	XLR 5-芯
外部DC电源输入接口:	XLR 4-芯，11.5V到17.0V DC
RET SW接口:	8-芯

输出接口

远程瞬发 (PROMPT) 输出接口:	BNC VBS，1Vp-p，75Ω
RET信号 (RET) 输出接口:	BNC VBS，1Vp-p，75Ω
EXT电源输出接口:	XLR 4-芯
PGM音频输出接口:	XLR 3-芯

所示的重量和尺寸为近似值。
规范如有修改，恕不另行通知。

Specifications

Input:	**AJ-BS901P;**	**120 V AC, 50/60 Hz, 180 W (EXT IN 12 V DC (11.0 to 17.0 V DC), 12 A)**
	AJ-BS901EN;	**220 – 240 V AC, 50/60 Hz, 170 W (EXT IN 12 V DC (11.0 to 17.0 V DC), 12 A)**
Output:	**100 V DC, 850 mA MAX.**	

▭ indicates safety information.

External dimensions (W × H × D):	8-5/16 × 5-3/16 × 15-1/4-inches (211 × 131.5 × 387.5 (mm))
Weight:	20.68 lbs (9.4 kg)
Operating temperature:	32°F to 72°F (0°C to +40°C)
Storage temperature:	–4°F to 140°F (–20°C to +60°C)
Operating humidity:	10% to 85% (relative humidity)

Transfer block

Signal transfer rate:	360 Mbps (AJ-CA901 to AJ-BS901)
Transfer distance:	300 m with diameter 8.6 mm cable (Fujikura) 500 m with diameter 14.5 mm cable (Fujikura)
Video transfer rate:	Signals from camera to base station: Y signal: 18 MHz sampling rate, 10-bit R-Y signal: 9 MHz sampling rate, 10-bit B-Y signal: 9 MHz sampling rate, 10-bit Signals from base station to camera: RET signal: FM modulation Prompt signal: FM modulation
Audio transfer rate:	Signals from camera to base station: 46.875 kHz sampling rate, 16-bit Signals from base station to camera: 11.71875 kHz sampling rate, 16-bit

Analog video output signals

Frequency range:	Y, ENC: 60 Hz to 8 MHz (± 3 dB)
Frequency range:	P_R, P_B: 60 Hz to 4 MHz (± 3 dB)
Component signal switching:	Y, P_R, and P_B switchable to G, R, and B
Sync switching:	Y/G: Sync addition switchable (on/off) P_R, P_B/R, B: No sync addition
Signal level:	ENC: VBS, 1Vp-p, 75 Ω Y: VS, 1Vp-p, 75 Ω P_R , P_B: 757mVp-p, 75 Ω G: VS, 1Vp-p, 75 Ω R, B: 714mVp-p, 75 Ω WFM: VS, VBS, 1Vp-p, 75 Ω PIX: VS, VBS, 1Vp-p, 75 Ω

Analog microphone output signal

Frequency range:	50 Hz to 20 kHz (± 3 dB)
Distortion:	0.5%
Dynamic range:	Better than 15 dB (at 1% distortion)
Output level:	0 dB (switchable between 0 and –20 dBm)

Specifications

Intercom

Microphone selection:	Switchable between dynamic microphone and carbon microphone	
I/O level:	4-line/2-line:	0 dBm (600 Ω, balanced)
	RTS:	1 Vp-p (200 Ω)
	PGM:	0 dB (600 Ω, balanced)
Format:	Selectable between 4-line, 2-line, and RTS	
Lines:	Base station to camera: 2 lines (ENG, PGM)	
	Camera to base station: 1 line (ENG)	
S/N ratio:	50 dB or more (base station to camera) (camera to base station)	
Distortion:	1.0% or less	
Frequency range:	100 Hz to 10 kHz (± 3 dB) (camera to base station)	
	100 Hz to 5 kHz (± 3 dB) (base station to camera)	
Dynamic range:	12 dB or more	

Analog video input signals

GEN LOCK input signal:	VBS: 1 Vp-p, 75 Ω, positive polarity
	BBS: 0.45 Vp-p, 75 Ω, positive polarity
RET1, RET2 input signals:	VBS: 1 Vp-p, 75 Ω, positive polarity
Prompt input signal:	VBS: 1 Vp-p, 75 Ω, positive polarity

Tally

Input:	DC 12 V voltage supply, switchable contacts
Output:	Open collector type, maximum input current 10 mA, voltage DC 12 V

Sync signal

Standard:	RS-170A
Horizontal phase adjustment range:	+5 µs to –11 µs
SC lock range:	3.579545 MHz ± 20 Hz
SC variable range:	360°

Input connectors

GEN LOCK input:	BNC, 75 Ω, bridged
RET1, RET2:	BNC, 75 Ω, bridged
Prompt input signal:	BNC, 75 Ω, bridged
Tally input:	5-pin (balanced)
Communication:	24-pin
External power supply input:	XLR 4-pin
AC input:	3-pin

Output connectors

ENC output:	3 lines, BNC, 75 Ω
Communication output:	1 line, BNC, 75 Ω
PIX output:	1 line, BNC, 75 Ω
WFM output:	1 line, BNC, 75 Ω
Audio output:	2 lines, XLR 3-pin, 600 Ω (balanced)
Tally output:	5-pin, open collector (low during tally input)
WFM control output:	7-pin
Digital serial component output:	2-lines, BNC, 75 Ω (activated when optional AJ-YA901 unit is installed)

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

规 格

输 入 ：220–240V AC，50/60Hz，170 W
（EXT IN 12V DC，12A）
功 耗 ：100V DC，850mA MAX.

显示安全信息。

外形尺寸（宽×高×深） ：211 × 131.5 × 387.5（mm）
质量 ：9.5 kg
操作温度 ：0°C ～40°C
存放温度 ：–20°C ～+60°C
操作湿度 ：10% ～85%（相对湿度）

传输区段

信号传输速率 ：360 兆比特/秒（AJ-CA901 到AJ-BS901）
传输距离 ：300 m（使用直径为8.6 mm 的电缆）(Fujikura)
500 m（使用直径为14.5 mm 的电缆）(Fujikura)
视频传输速率 ：信号从摄像机传输到基站:
Y 信号 ：18 MHz 抽样频率，10-比特
R-Y 信号 ：9 MHz 抽样频率，10-比特
B-Y 信号 ：9 MHz 抽样频率，10-比特
信号从基站传输到摄像机:
RET 信号 ：FM 调制
瞬发信号 ：FM 调制
音频传输速率 ：信号从摄像机传输到基站:
46.875 kHz 抽样频率，16-比特
信号从基站传输到摄像机:
11.71875 kHz 抽样频率，16-比特

模拟视频输出信号

频率范围 ：Y，ENC ：60 Hz ～8 MHz（±3 dB）
频率范围 ：P_R，P_B ：60 Hz ～4 MHz（±3 dB）
分量信号切换 ：Y，P_R 和 P_B 可切换到G，R 和B。
同步切换 ：Y/G ：可切换同步附加（开/关）
P_R，P_B/R，B ：无同步附加
信号电平 ：ENC ：VBS，1 Vp-p，75 Ω
Y ：VS，1 Vp-p，75 Ω
P_R，P_B ：525 mVp-p，75 Ω
G ：VS，1Vp-p，75 Ω
R，B ：700 mVp-p，75 Ω
WFM ：VS，1 Vp-p，75 Ω
PIX ：VS，1 Vp-p，75 Ω

模拟麦克风输出信号

频率范围 ：50 Hz ～20 kHz（±3 dB）
失真 ：0.5%
动态范围 ：15 dB 或更高（1% 失真）
输出电平 ：0 dB（可在0 和–20 dBm 之间切换）

规 格

对讲装置

麦克风选择	：可在动圈式麦克风和碳晶麦克风之间切换
	I/O 电平　　：4-线/2-线：0 dBm（600 Ω，平衡）
	RTS　　：1 Vp-p（200 Ω）
	PGM　　：0 dBm（600 Ω，平衡）
格式	：可在4-线、2-线和RTS 之间选择
线路	：基站到摄像机：2 线（ENG，PGM）
	摄像机到基站：1 线（ENG）
信噪比	：50 dB 或更高
失真	：1.0% 或更低
频率范围	：100 Hz ～ 10 kHz（± 3 dB）（摄像机到基站）
	100 Hz ～ 5 kHz（± 3 dB）（基站到摄像机）
动态范围	：12 dB 或更高

模拟视频输入信号

GENLOCK 输入信号	：VBS：1 Vp-p 75 Ω，桥接
	BBS：0.45 Vp-p，75 Ω，桥接
RET1，RET2 输入信号	：VBS：1 Vp-p，75 Ω，桥接
瞬发输入信号	：VBS：1 Vp-p，75 Ω，桥接

计数

输入	：DC 12 V 电压，可切换触点
输出	：集电极开路型，最大输入电流 10mA，电压DC 12 V

同步信号

水平相位调节范围	：+4 µs ～–10 µs
SC 锁定范围	：4.433618 MHz ± 10 Hz
SC 可变范围	：360°

输入接口

GENLOCK 输入	：BNC，75 Ω，平衡
RET1，RET2 输入	：BNC，75 Ω，平衡
瞬发输入	：BNC，75 Ω，平衡
计数输入	：5-芯（平衡）
通讯输入	：24-芯
EXT DC 输入	：XLR 4-芯，11.5V ～ 17.0V DC
AC 输入	：3-芯

输出接口

ENC 输出	：3 线，BNC，75 Ω
通讯输出	：1 线，BNC，75 Ω
PIX 输出	：1 线，BNC，75 Ω
WFM 输出	：1 线，BNC，75 Ω
音频输出	：2 线，XLR 3-芯，600 Ω，平衡
计数输出	：5-芯，集电极开路（计数输入时低）
WFM 控制输出	：7-芯
数字串行式分量输出	：2-线，BNC，75 Ω，（安装有选购的AJ-YA901 装置时激活）

所示的重量和尺寸为近似值。
规范如有修改，恕不另行通知。

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts, which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

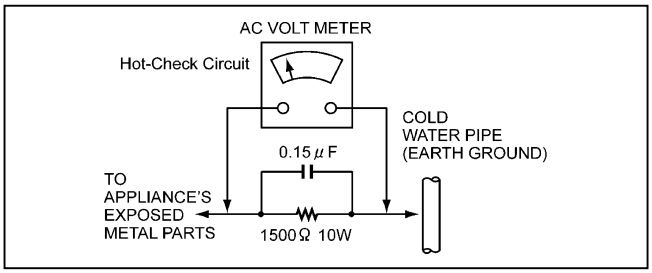


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15μF capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB:
PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.
Caution:
1. Pb free solder has a higher melting point than standard solder; Typically the melting point is 50–70˚F (30-40˚C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20˚F (370±10˚C).
2. Pb free solder will tend to splash when heated too high (about 1100˚F/600˚C).

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor “chip” components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.
1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as “anti-static” can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING
1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note: It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

Safety precautions

General

WARNING:

- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**
- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS—USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.**

CAUTION:

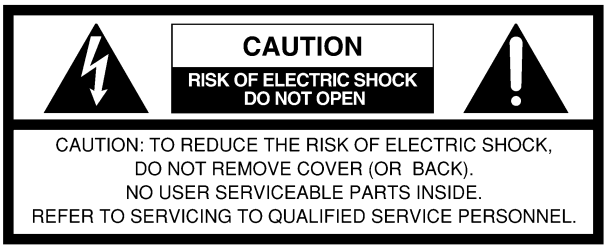
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.





The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

FCC Note:
This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING.**
To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.
Refer servicing to qualified service personnel.

▭ Indicates safety information.

Safety precautions

General

WARNING:

- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**
- **TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS—USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.**

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

EVEN WHEN THE POWER SWITCH IS IN THE OFF POSITION, A SMALL CURRENT FLOWS THE FILTER CIRCUIT.

CAUTION:

THE AC OUTLET (MAINS SOCKET) SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL BOARD AND CHANGE OF SWITCH SETTINGS INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

THIS APPARATUS MUST BE GROUNDED

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power outlet (socket) which is effectively grounded through the normal household wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to the ground. Incorrectly wired extension cords can be extremely hazardous.

The fact that the equipment operates satisfactorily does not imply that it is grounded, and the installation is not necessarily safe. For your safety, if in any doubt about the effective grounding of the equipment or power outlet (socket), please consult a qualified electrician.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

WARNING:

THE CONNECTOR (TRIAX) MARKED WITH AN ARROW (↯) CONTAINS HAZARDOUS VOLTAGE.

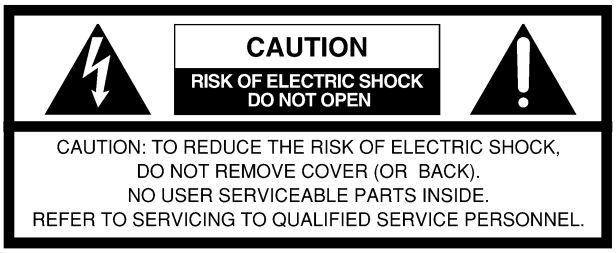
TO REDUCE THE RISK OF ELECTRIC SHOCK, CONNECTIONS USING THIS CONNECTOR MUST BE PERFORMED ONLY BY QUALIFIED PERSONNEL OR BY USING READY-MADE LEADS OR CORDS.

▭ indicates safety information.

Operating precaution

Operation near any appliance which generates strong magnetic fields may give rise to noise in the video and audio signals. If this should be the case, deal with the situation by, for instance, moving the source of the magnetic fields away from the unit before operation.

Safety precautions





The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

FCC Note:
This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

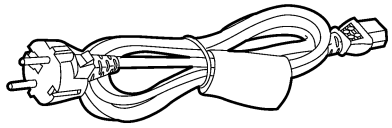
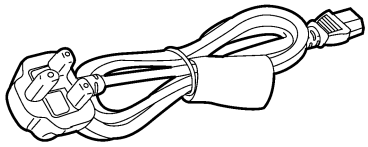
This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING.**
To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.
Refer servicing to qualified service personnel.

Safety precautions

Caution for AC Mains Lead

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.
This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.
Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

FOR CONTINENTAL EUROPE, ETC. Not to be used in the U.K.	**FOR U.K. ONLY** If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted.
	

FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 13 amp fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⓐ or the BSI mark ♡ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.
WARNING: THIS APPLIANCE MUST BE EARTHED.
IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

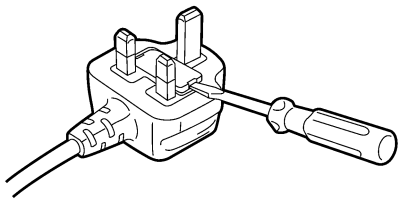
Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

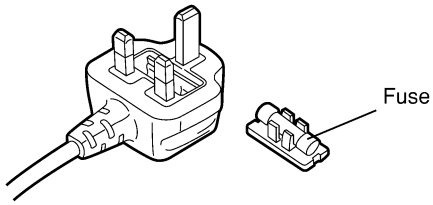
- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse

1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



Panasonic

FCD0310NTKE448E449

SECTION 1

SERVICE INFORMATION

CONTENTS

Version Upgrade procedure of PLD (ALTERA) INF-1
1. Preparation.....INF-1
2. Connection INF-1
3. Boot up the Version Up Software and Version Up Procedure INF-2

Version Upgrade procedure of PLD (ALTERA)

This product uses CPLD. At the time of a version upgrade, use the upgrade tool, connect the respective connector, and use the CPLD writing software VSI4215B which can be downloaded from the Web site.

Board	PLD Writer Connection Connector	Number of pins	Manufacture	Quantity
BS Audio	P3	8P	ALTERA	1

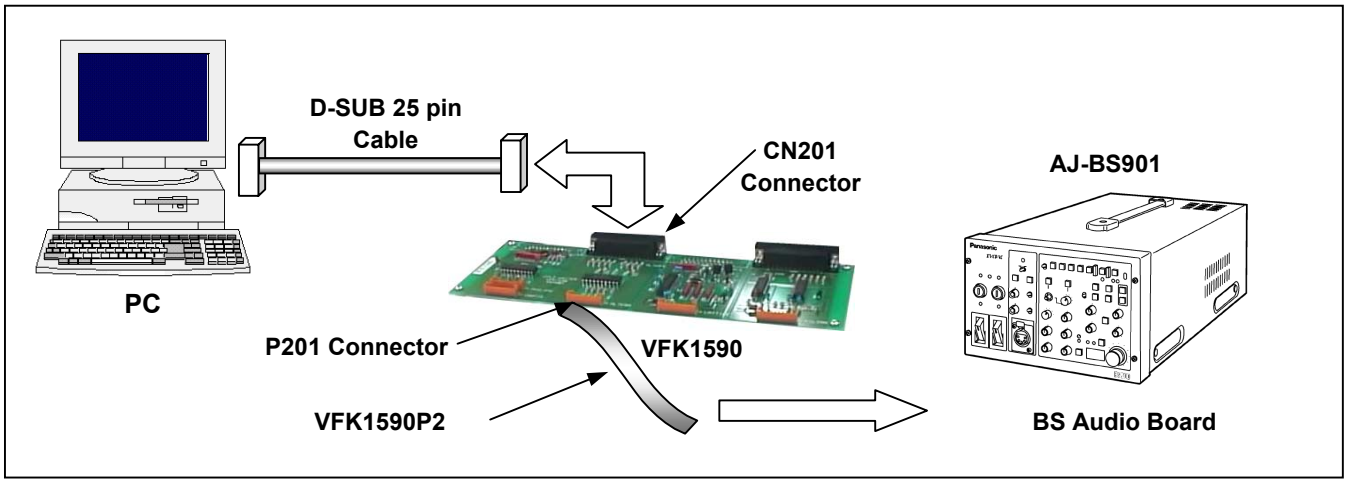
1. Preparation

1. The following tools are required for the version upgrade.

ITEM	REMARK
CPLD WRITER	VFK1590
D-sub 25pin-25pin Cable	Straight (Male – Female), Length : shorter then 1 meter
Version Upgrade Software	MAX+plus II Software (Please download from www.altera.com/support/device/programming/sup-asap2.html Then select “asap2.exe 10.1”) * The software of version 10.1 or later must be used.
Version Upgrade Data	tdf file (”VSIXXXX” include it)
Personal Computer	WINDOWS 95® or 98®

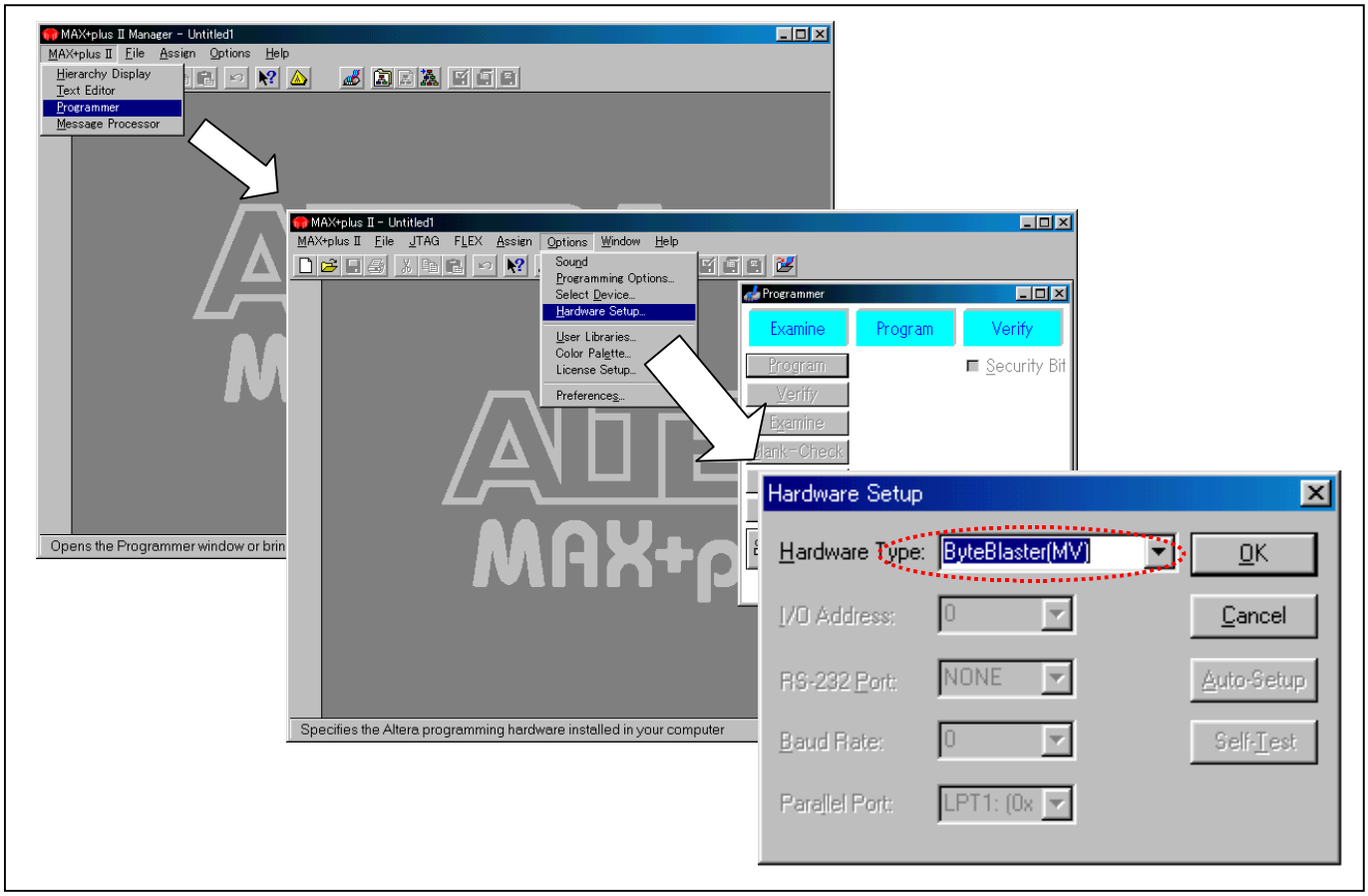
2. Connection

1. Connect the D-sub 25P cable between CN201 (for ALTERA) connector of the CPLD WRITER and Personal Computer (Printer port).
2. Connect the CPLD WRITER cable (VFK1590P2) between respective connector (Please refer to chart on page INF3) and connector P201 on CPLD WRITER.
   NOTE: VFK1590P2 is accessory of VFK1590 and it can be order as service part.
3. Turn on VTR and Personal Computer (Windows mode).

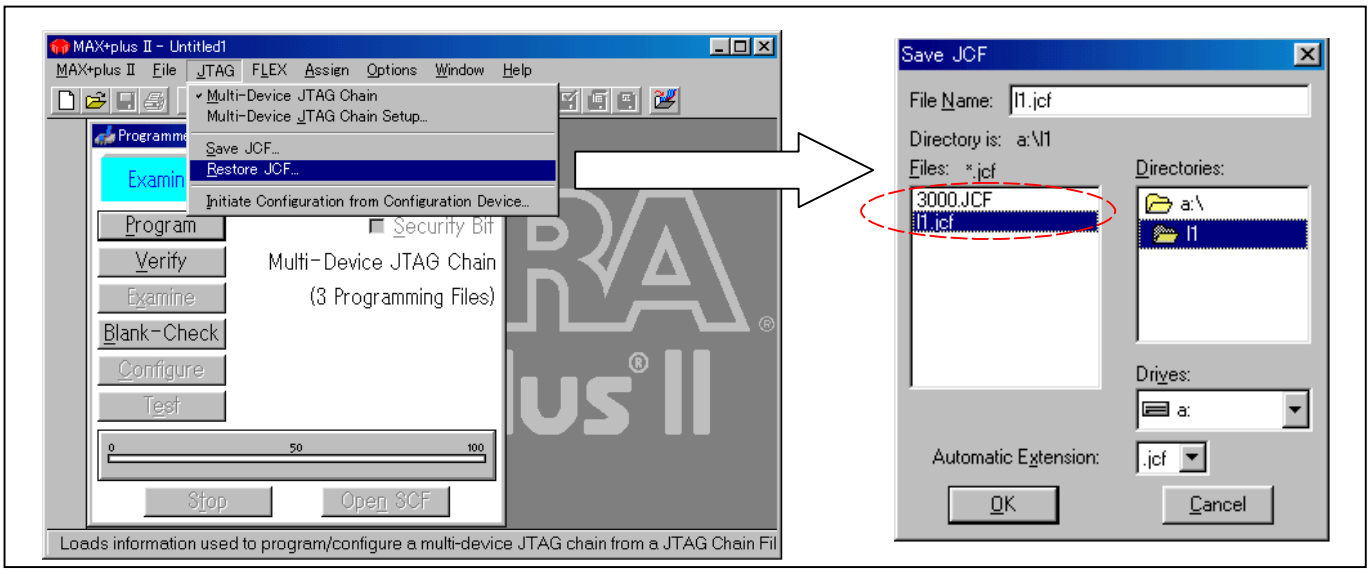


3. Boot up the Version Up Software and Version Up Procedure

1. Boot up the **"MAX+plus II 10.1 Programmer Only"** software from start menu of Windows.
   (1). On the main window, select tab "MAX+plus II" and then "Programmer".
   (2). On the main window (Programmer window is displayed), select tab **"Option"** and then **"Hardware Setup"**.
   (3). On the Hardware Setup dialog, set the **"Hardware Type"** to **"ByteBlaster(MV)"**.



2. On the main window, select tab **"JTAG"** and then **"Restore JCF"**.
3. On the dialog of Save JCF, select the **"jcf"** format file (Chain file) and then press the **"OK"** button.



SECTION 2

ELECTRICAL ADJUSTMENT

CONTENTS

3-1. BS Power Supply Adjustment ELE-1
3-2. OCS Frequency Adjustment ELE-1
4-8. SCH Adjustment ELE-1
TP AND VR LOCATION ELE-2
BS AUDIO P.C.BOARD (VEP24184A/B) ELE-2
BS POWER P.C.BOARD (VEP21288A).....ELE-2

3-1. BS Power Supply Adjustment

BOARD	BS POWER
TP	GND: 78pin (A/B), +: 10pin (A/B) on Extender Board between BS AUDIO
ADJ.	VR1 [V ADJ] (BS POWER UNIT)
INPUT	------
M. EQ	D.V.M., Extender Board (VFK1671)
SPEC.	10pin A/B = 5.05V ± 0.02V

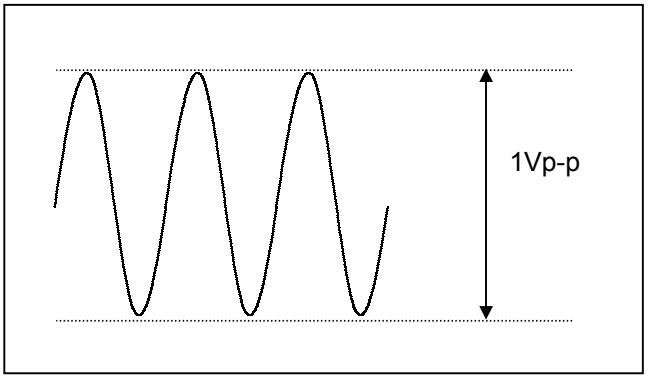
1. Extend the BS AUDIO Board with the Extender Board (VFK1671).
2. Connect the digital voltmeter (-) to pin 78A/B and (+) to pin 10A/B, and then adjust VR1 on the Power Supply Unit so that the voltage is within the specification.
3. Connect the digital voltmeter (-) to pin 78A/B and (+) to the measuring points on the Extender Board as shown the table below, and make sure that the voltages at each pins are within the specification.

TP	Specification
13pin (A/B)	D+3.3V = 3.30V ± 0.15V
16pin (A/B)	+12V = 12.00V ± 0.50V
18pin (A/B)	A+5.6V = 5.65V ± 0.20V
20pin (A/B)	A-5.6V = -5.65V ± 0.20V

3-2. OCS Frequency Adjustment

BOARD	BS AUDIO
TP	58pin B on Extender Board between BS AUDIO
ADJ.	VR300, VR600
INPUT	------
M. EQ	Frequency counter, Oscilloscope, Extender Board (VFK1671)
SPEC.	Frequency: 3.579545MHz ± 5Hz Level: 1Vp-p ± 1%

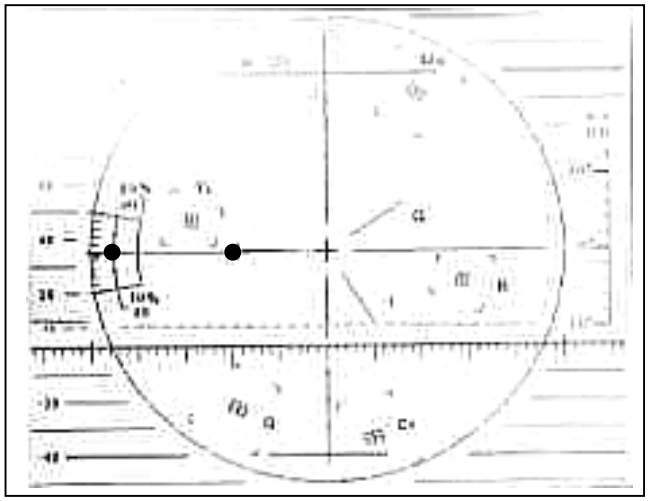
1. Extend the Audio Board with the Extender Board (VFK1671), and connect the frequency counter to pin 58B on the Extender Board.
2. Adjust VR300 so that the frequency is within the specification.
3. Connect the oscilloscope to pin 58B on the Extender Board, and adjust VR600 so that the voltage is within the specification.



4-8. SCH Adjustment

BOARD	BS AUDIO
TP	BS REAR PANEL BNC ENC1 OUT
ADJ.	VR400 [SCH] (BS AUDIOP.C.Board)
INPUT	------
M. EQ	SCH Meter (With 75 Ω termination)
SPEC.	SCH = 0º ± 10º (Internal Mode)

1. Disconnect any input signal to the GENLOCK INPUT connector and set the Base Station in the GENLOCK mode.
2. Connect the SCH meter to the ENC 1 OUTPUT connector and then adjust VR400 so that the SCH is within the specification.

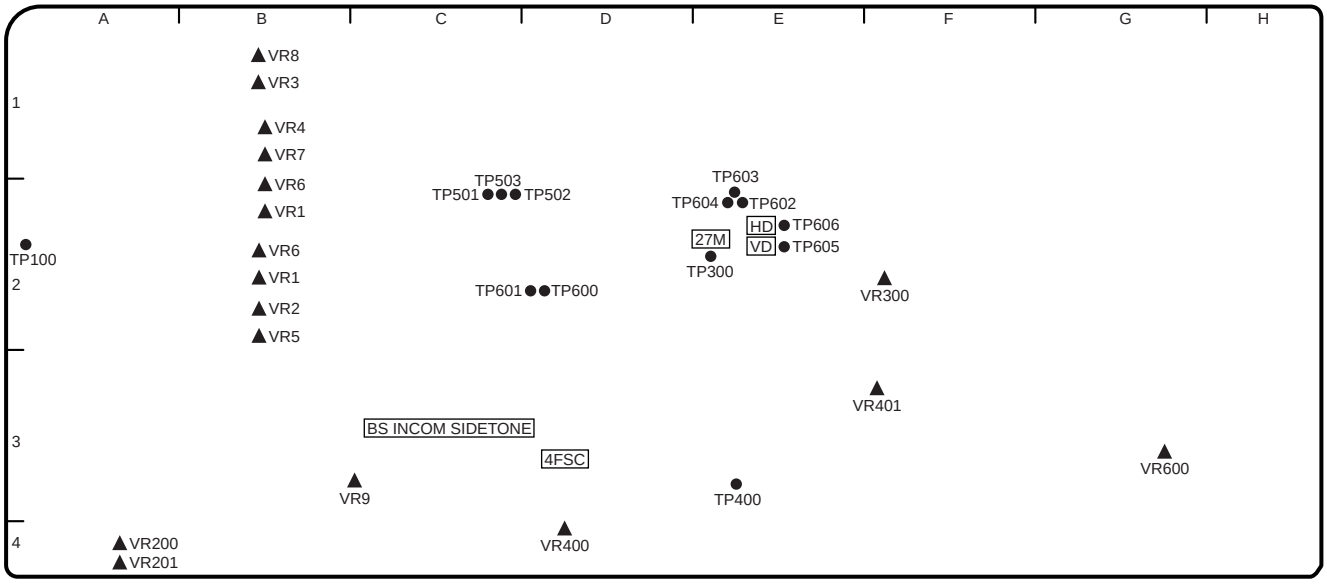


TP AND VR LOCATION

BS AUDIO P.C.BOARD (VEP24184A/B)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	B2	IC106	G3	IC303	G2	IC406	F3	IC506	D2	P3	C3	TP503	C2	VR6	B2
IC3	B2	IC107	F1	IC304	F2	IC407	D3	IC507	C1	Q100	G3	TP600	D2	VR7	B1
IC7	B2	IC108	H1	IC305	F2	IC408	G2	IC508	D2	Q101	G3	TP601	D2	VR8	B1
IC9	C3	IC109	G3	IC306	E2	IC409	E3	IC600	D3	Q102	G1	TP602	E2	VR9	C3
IC13	B1	IC110	F1	IC308	F2	IC411	G2	IC601	D2	Q103	G3	TP603	E2	VR200	A3
IC15	B1	IC202	B3	IC309	F2	IC415	F3	IC602	G3	Q104	G3	TP604	E2	VR201	A4
IC19	B1	IC204	B3	IC311	E2	IC419	G3	IC603	D3	Q301	F2	TP605	E2	VR300	F2
IC100	G1	IC205	A3	IC312	E2	IC421	E3	IC604	G3	QR200	A3	TP606	E2	VR400	D3
IC101	E1	IC206	B3	IC313	E2	IC501	E1	IC605	G3	TP100	A2	VR1	B2	VR401	F3
IC102	E1	IC207	C3	IC314	E2	IC502	E1	IC606	G3	TP300	E2	VR2	B2	VR600	G3
IC103	E1	IC208	C3	IC401	F3	IC503	E1	IC608	E2	TP400	E3	VR3	B1		
IC104	F1	IC209	C3	IC402	G2	IC504	E1	P1	H2	TP501	C2	VR4	B1		
IC105	F1	IC300	G2	IC403	F3	IC505	D1	P2	C2	TP502	C2	VR5	B2		



(COMPONENT SIDE)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	A3	IC12	C3	IC107	F1	IC302	F2	IC412	F3	IC500	D2	Q201	C4	QR600	E2
IC4	B3	IC14	B1	IC110	F1	IC307	F2	IC413	F3	IC509	C1	Q300	G2		
IC5	B2	IC16	B1	IC111	G3	IC310	E2	IC414	D3	IC607	G3	Q400	G2		
IC6	B2	IC17	A2	IC200	A3	IC400	F3	IC416	F3	IC609	G3	Q401	G2		
IC8	C2	IC18	B2	IC201	A3	IC404	D3	IC417	F3	IC610	E3	Q402	G2		
IC10	B3	IC20	C1	IC203	A4	IC405	D3	IC418	D3	IC611	E2	Q600	G3		
IC11	C3	IC100	G1	IC301	F2	IC410	F3	IC420	E3	Q200	C3	QR201	C3		

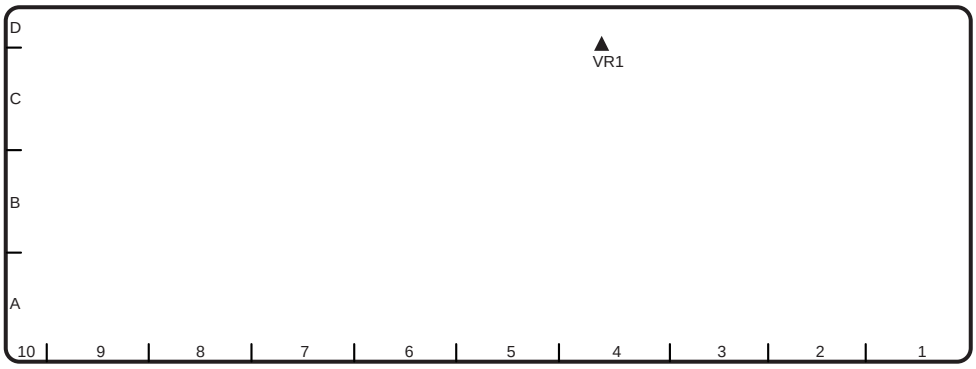
BS POWER P.C.BOARD (VEP21288A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3	C4	IC16	A3	P1	A5	Q5	C7	Q17	B7
IC4	C6	IC17	A2	P2	A2	Q6	C7	Q18	B8
IC5	B6	IC18	A2	P3	D9	Q7	C7	Q19	B7
IC6	A6	IC19	A2	P4	C1	Q8	C8	Q20	B7
IC8	D3	IC20	C3	P5	D9	Q9	C7	Q21	B8
IC9	C2	IC21	B4	P6	B9	Q10	C7	Q22	B8
IC10	A4	IC22	C2	P7	D1	Q11	C7	Q23	B9
IC11	A3	IC23	C9	P8	C8	Q12	C7	Q24	A1
IC12	A3	IC24	C9	Q1	C5	Q13	C8	Q25	A2
IC13	A3	IC201	A3	Q2	C4	Q14	B7		
IC14	A2	IC202	A3	Q3	C5	Q15	B7		
IC15	A4	IC203	C3	Q4	C7	Q16	B7		

FOIL SIDE

REF	LOC
IC1	C1
IC2	C3
IC25	A3
IC26	A2
VR1	D4



(FOIL SIDE)

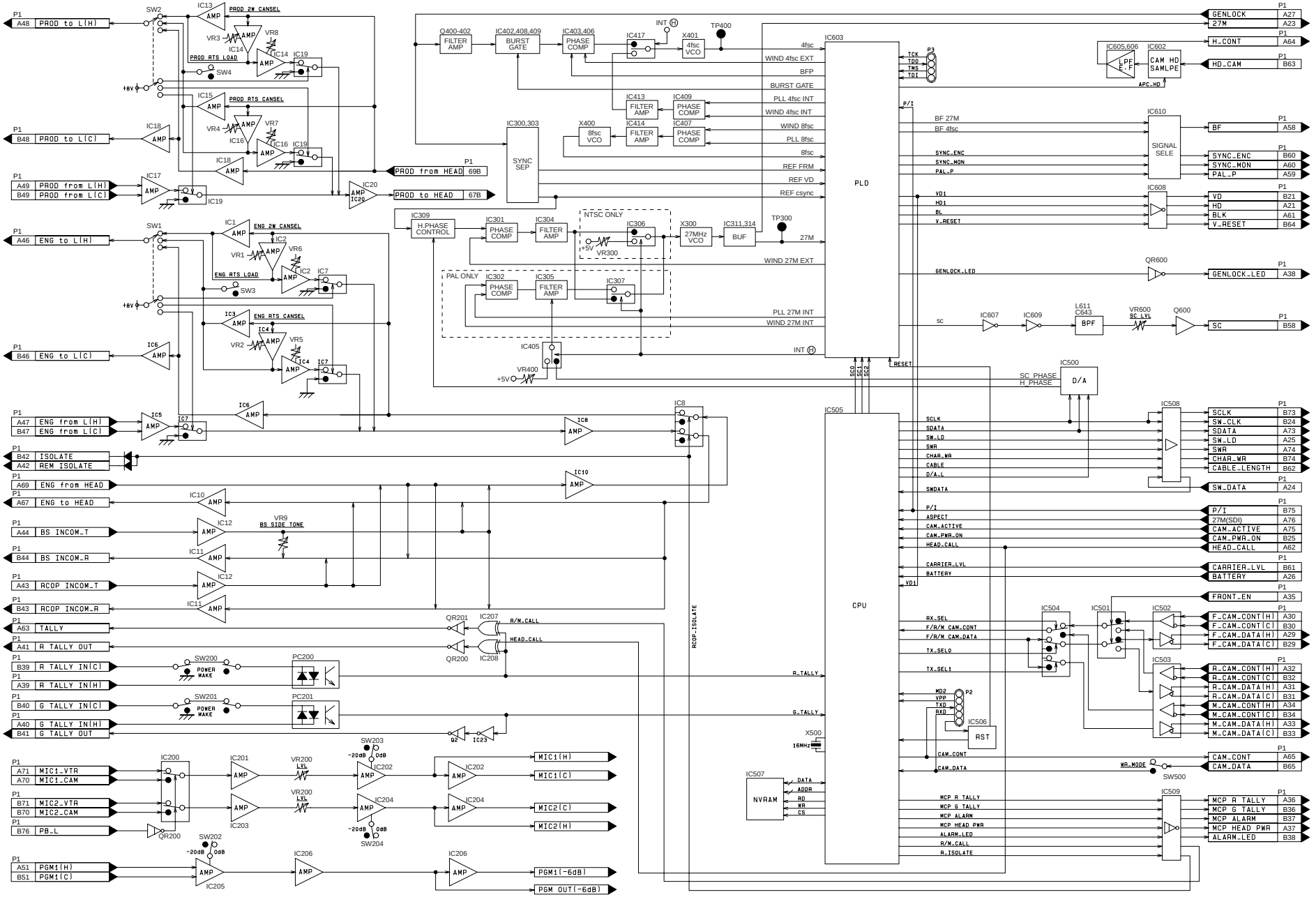
SECTION 3

BLOCK DIAGRAM

CONTENTS

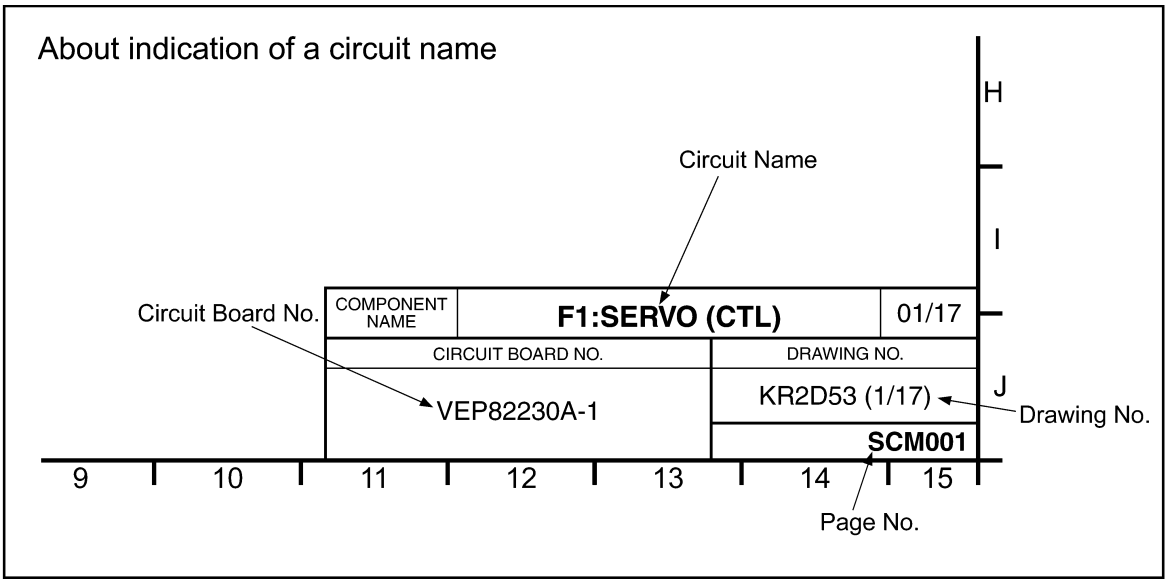
BS AUDIO BLOCK DIAGRAM BLK-1

BS AUDIO BLOCK DIAGRAM



SECTION 4

SCHEMATIC DIAGRAMS



NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 5

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

<< AJ-CA901 >>

CAM IF

CAM-IF (1/1) SCM001

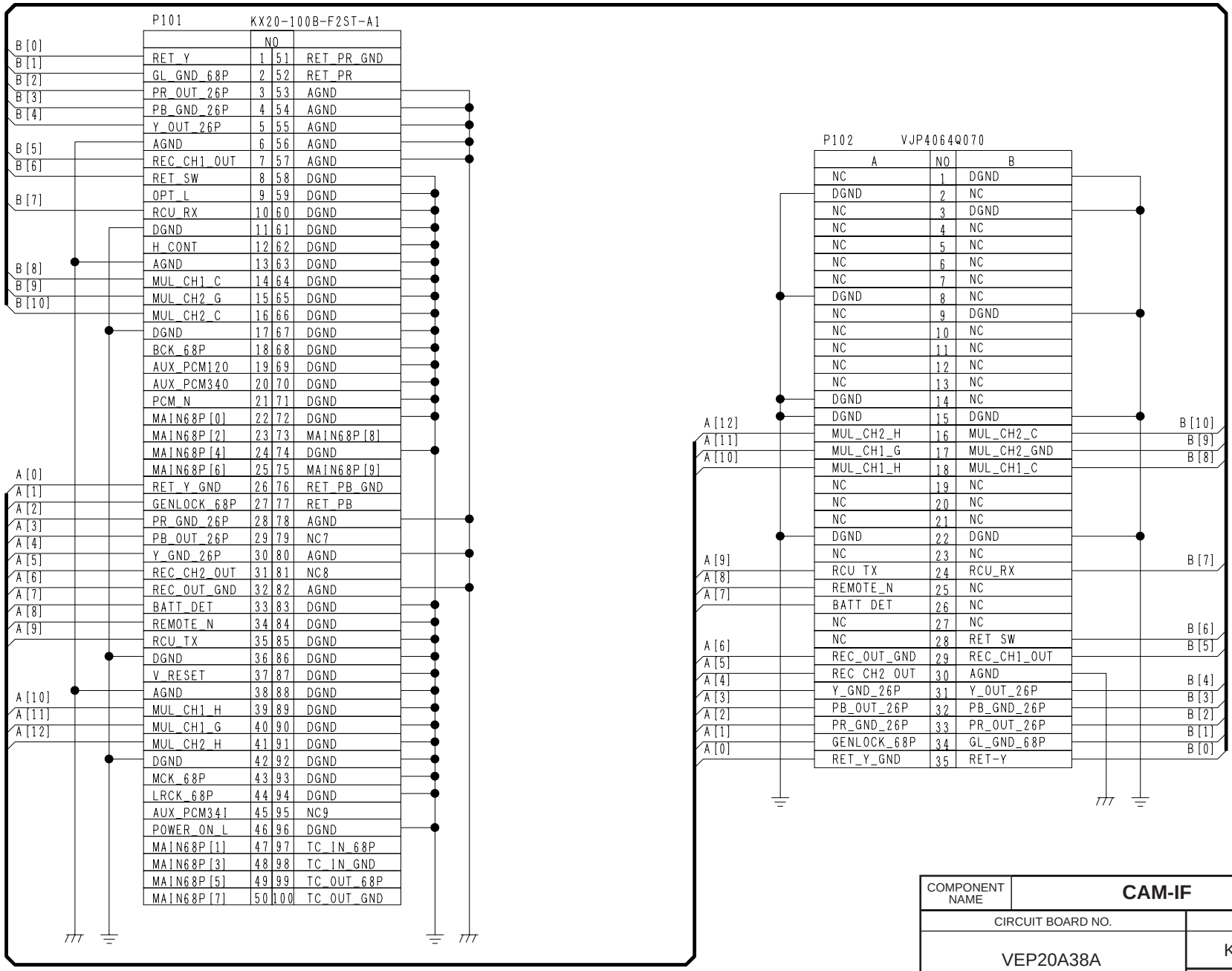
<< AJ-BS901 >>

BS AUDIO

BS AUDIO (1/8) SCM002
BS AUDIO (2/8) SCM003
BS AUDIO (3/8) SCM004
BS AUDIO (4/8) SCM005
BS AUDIO (5/8) SCM006
BS AUDIO (6/8) SCM007
BS AUDIO (7/8) SCM008
BS AUDIO (8/8) SCM009

BS POWER

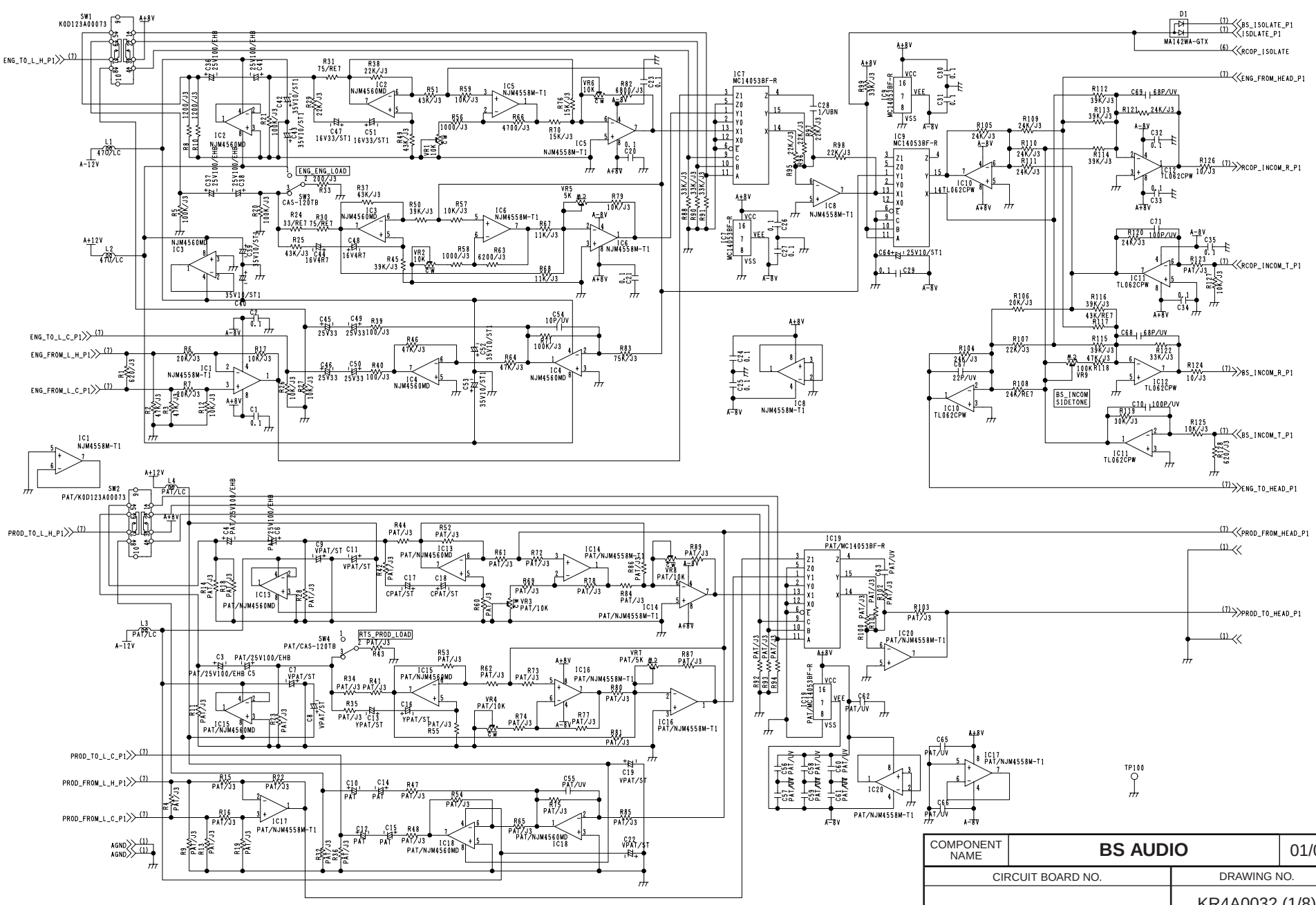
BS POWER (1/2) SCM010
BS POWER (2/2) SCM011



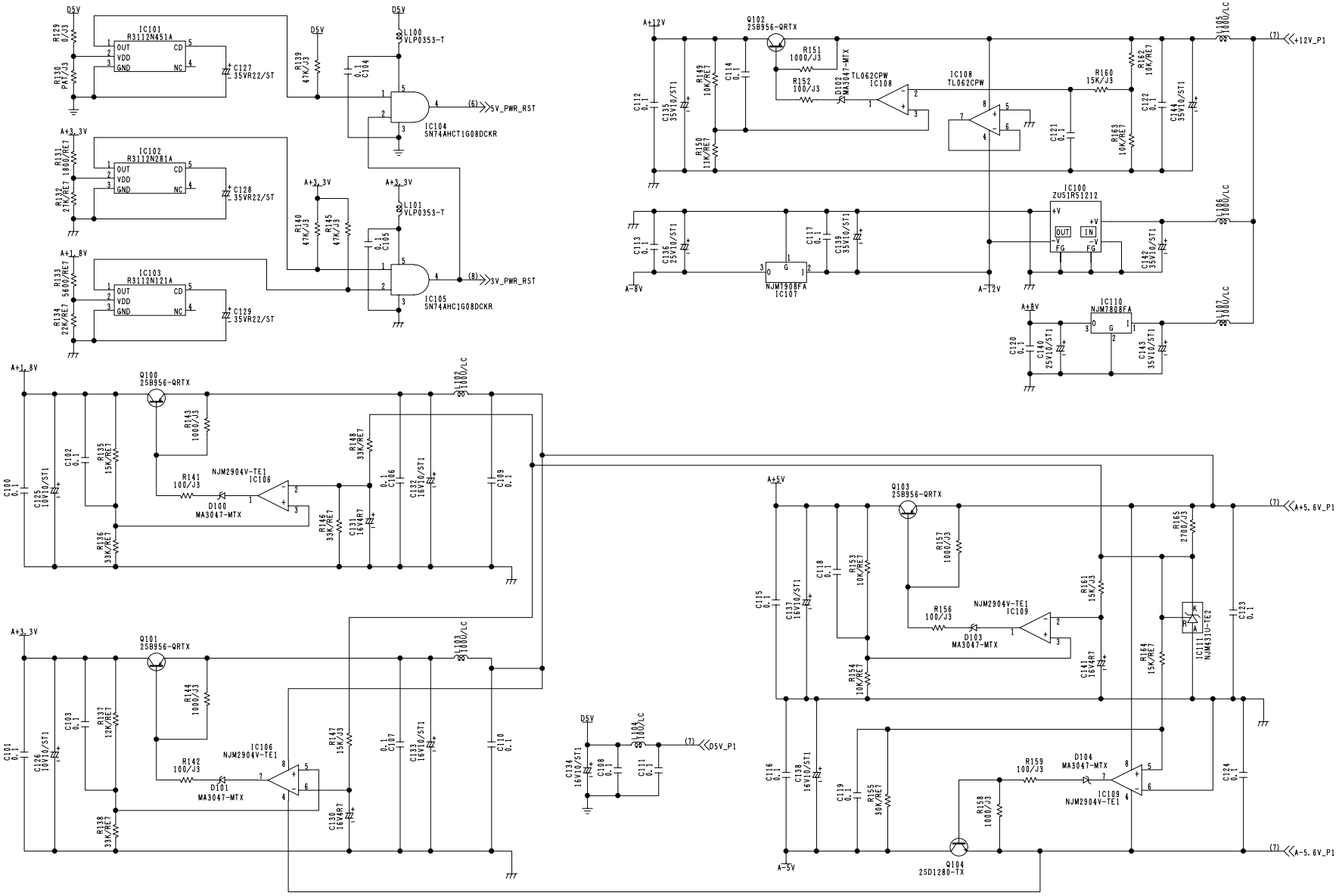
COMPONENT NAME	**CAM-IF**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20A38A		KR0U17 (1/1) (0)
		SCM001

A B C D E F G H I J

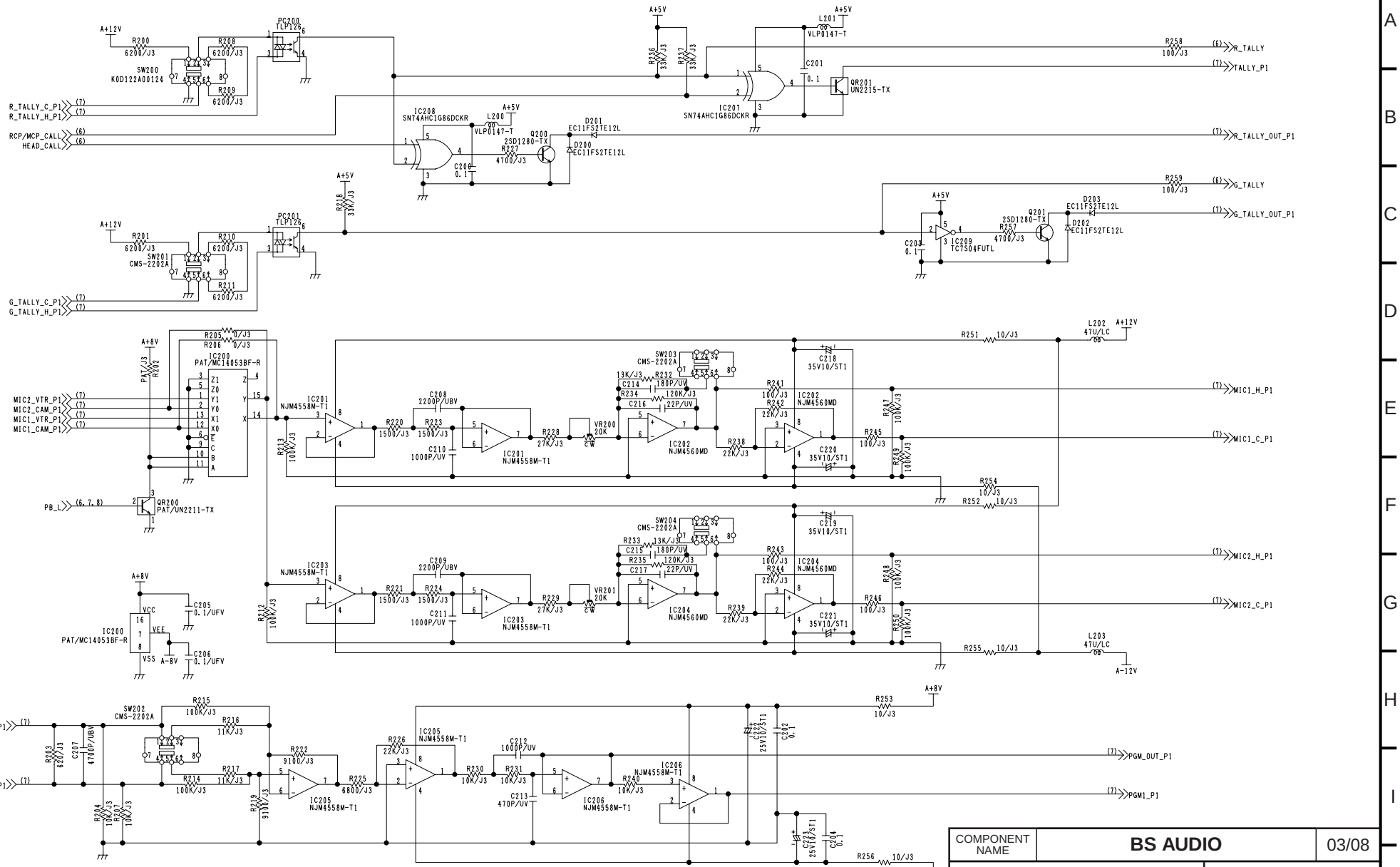
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



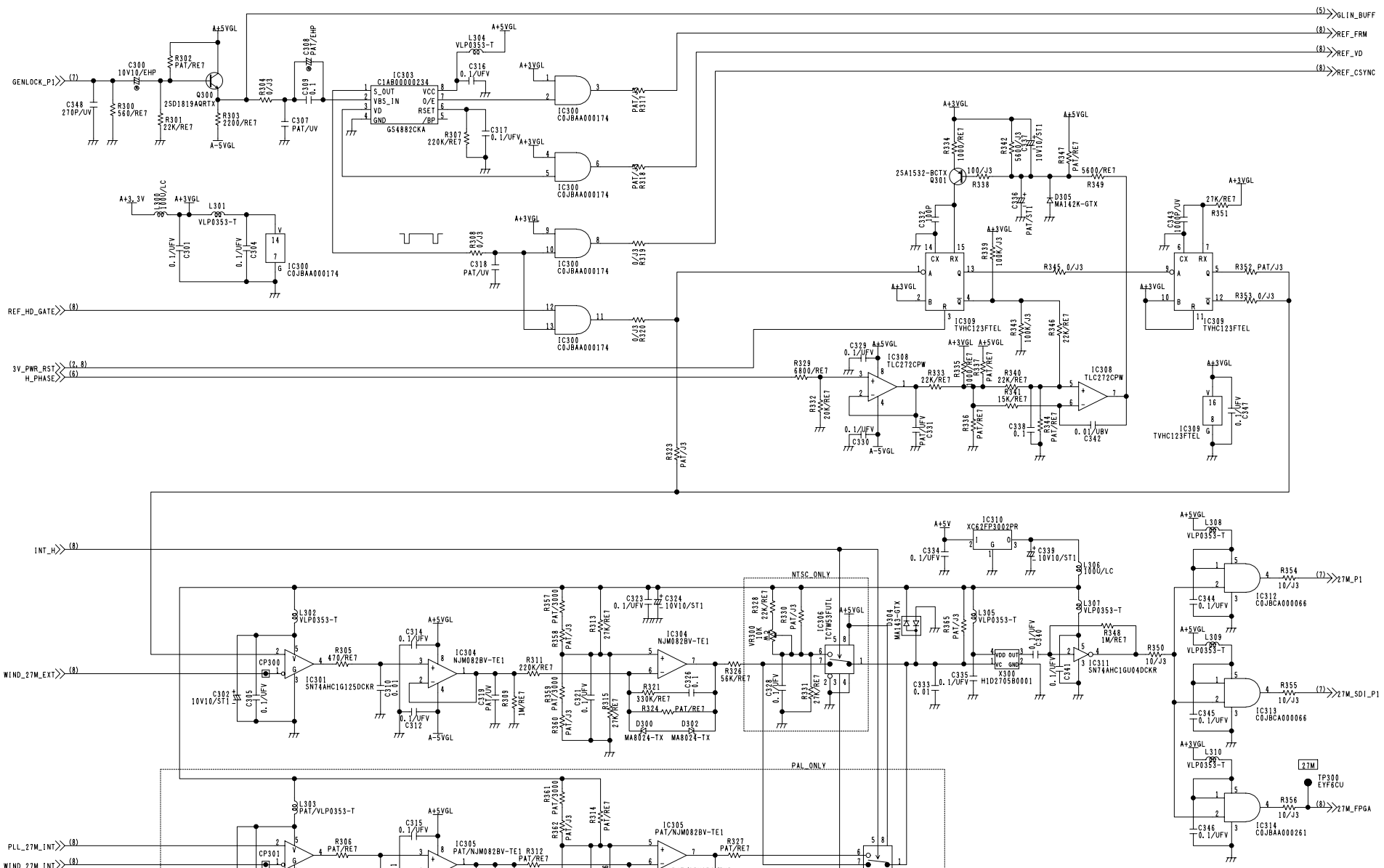
COMPONENT NAME	**BS AUDIO**	01/08
CIRCUIT BOARD NO.		DRAWING NO.
VEP24184A/B		KR4A0032 (1/8) (0)
		SCM002



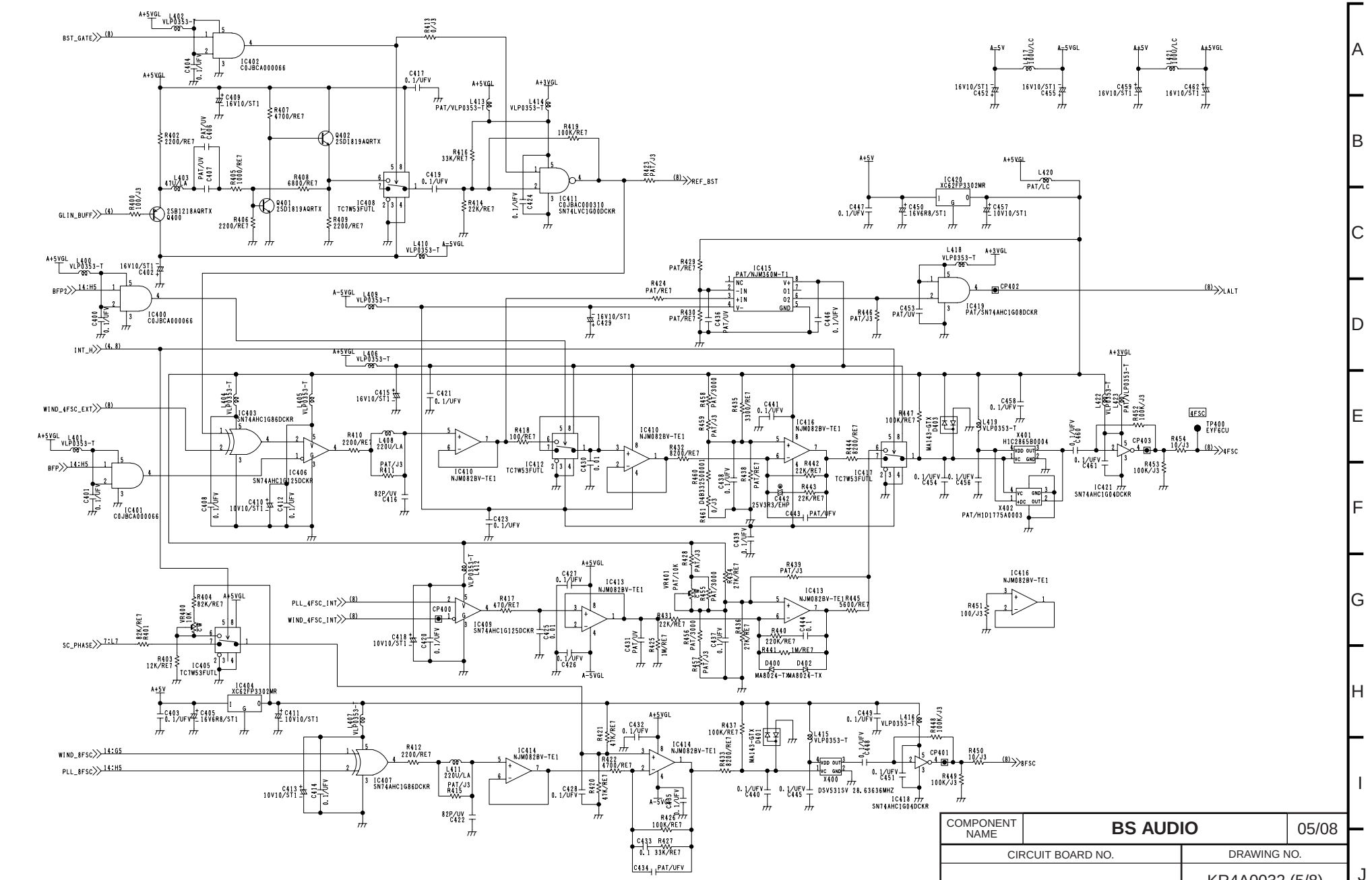
COMPONENT NAME	**BS AUDIO**	02/08
CIRCUIT BOARD NO.		DRAWING NO.
VEP24184A/B		KR4A0032 (2/8) (0)
		SCM003



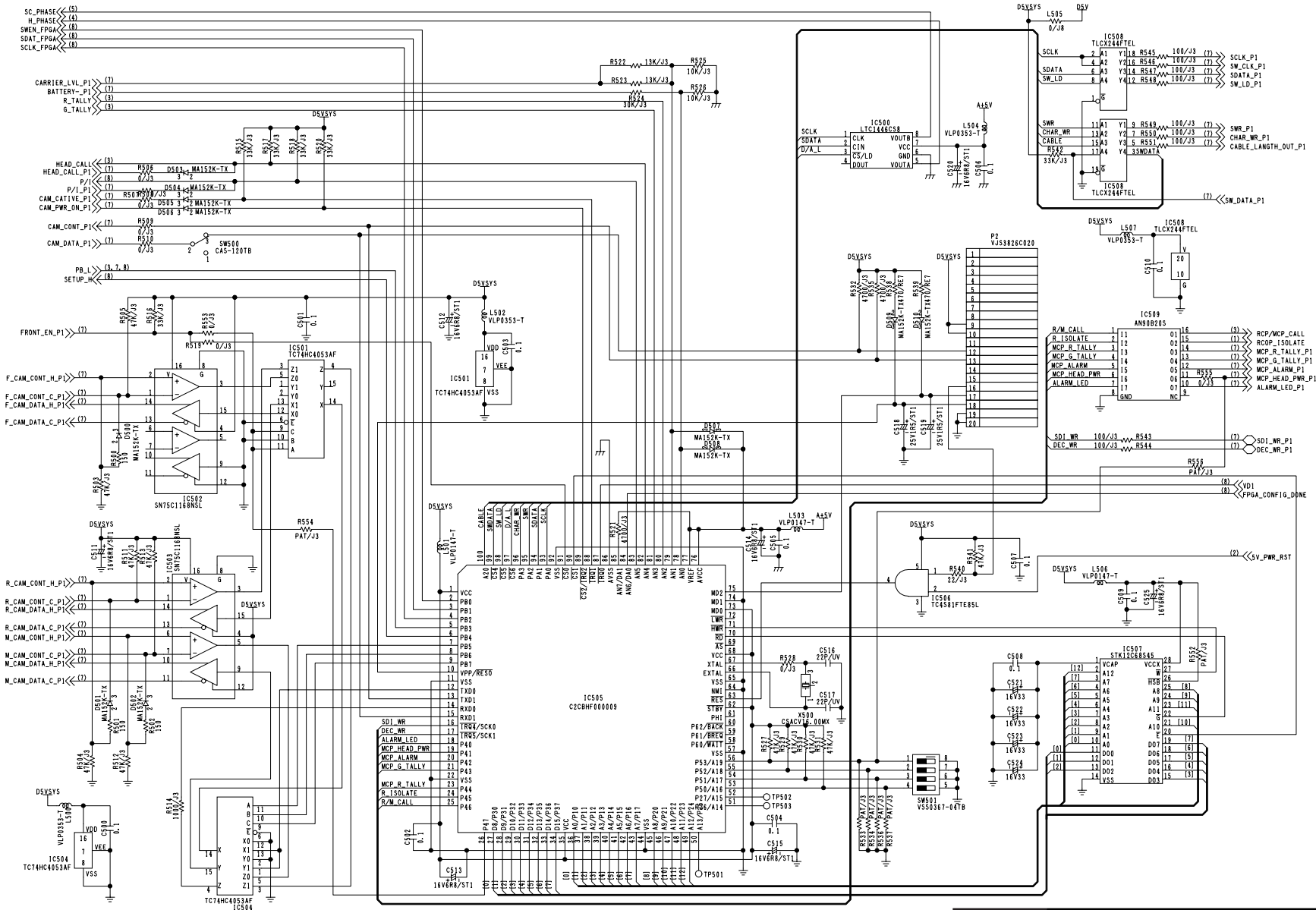
COMPONENT NAME	**BS AUDIO**	03/08
CIRCUIT BOARD NO.	DRAWING NO.	
VEP24184A/B	KR4A0032 (3/8) (0)	
	SCM004	



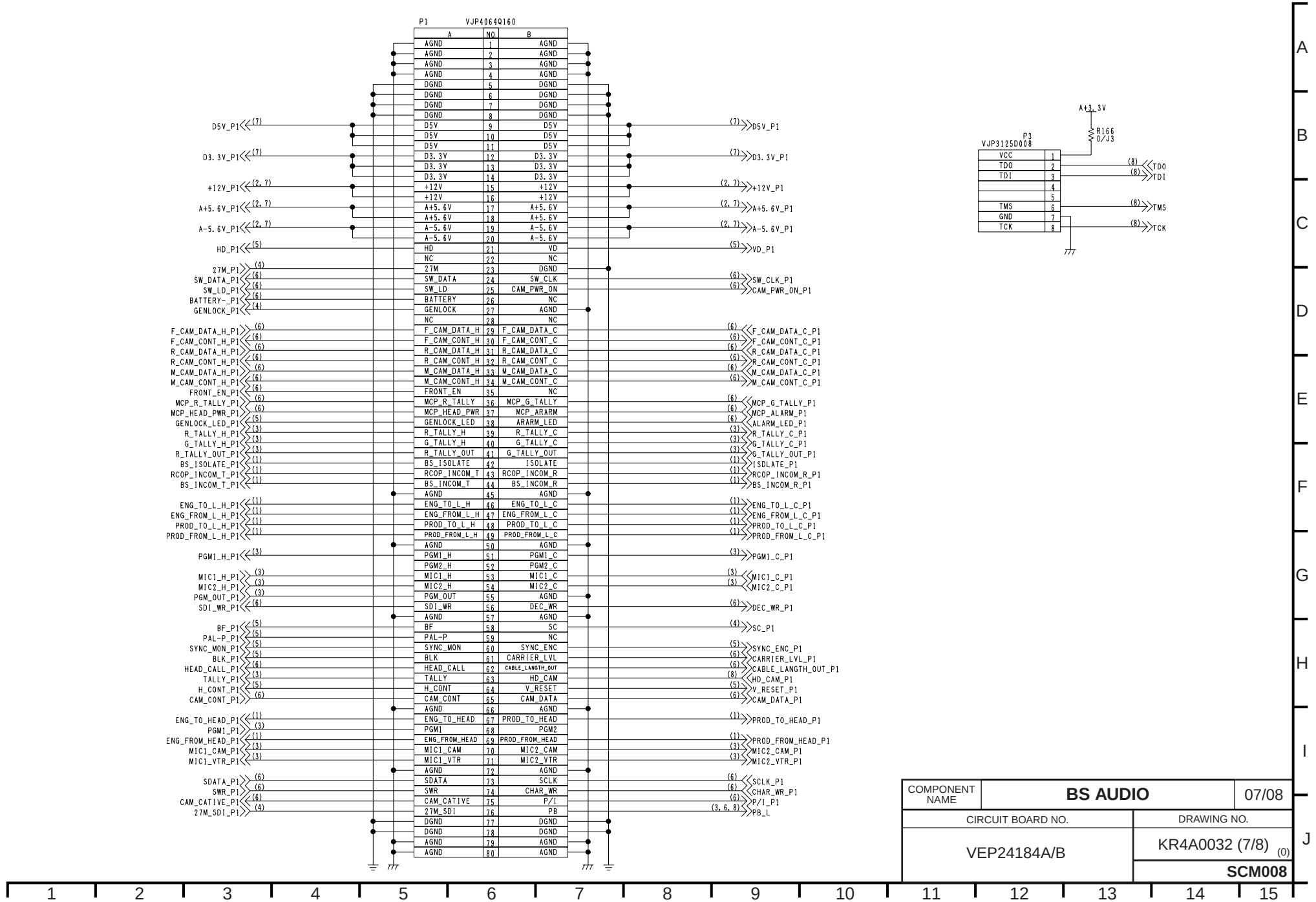
COMPONENT NAME	**BS AUDIO**	04/08
CIRCUIT BOARD NO.		DRAWING NO.
VEP24184A/B		KR4A0032 (4/8) (0)
		SCM005



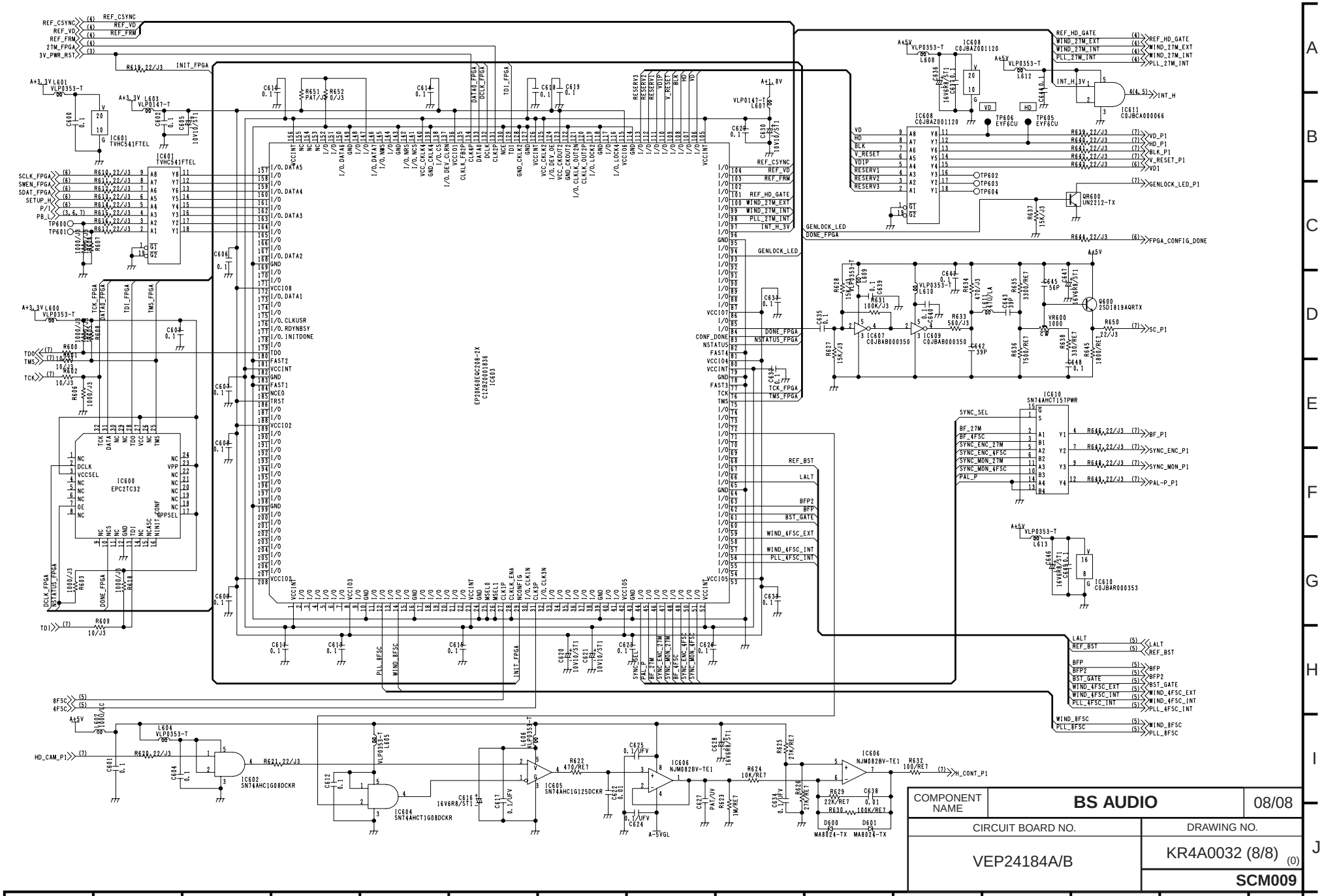
COMPONENT NAME	**BS AUDIO**	05/08
CIRCUIT BOARD NO.		DRAWING NO.
VEP24184A/B		KR4A0032 (5/8) (0)
		SCM006



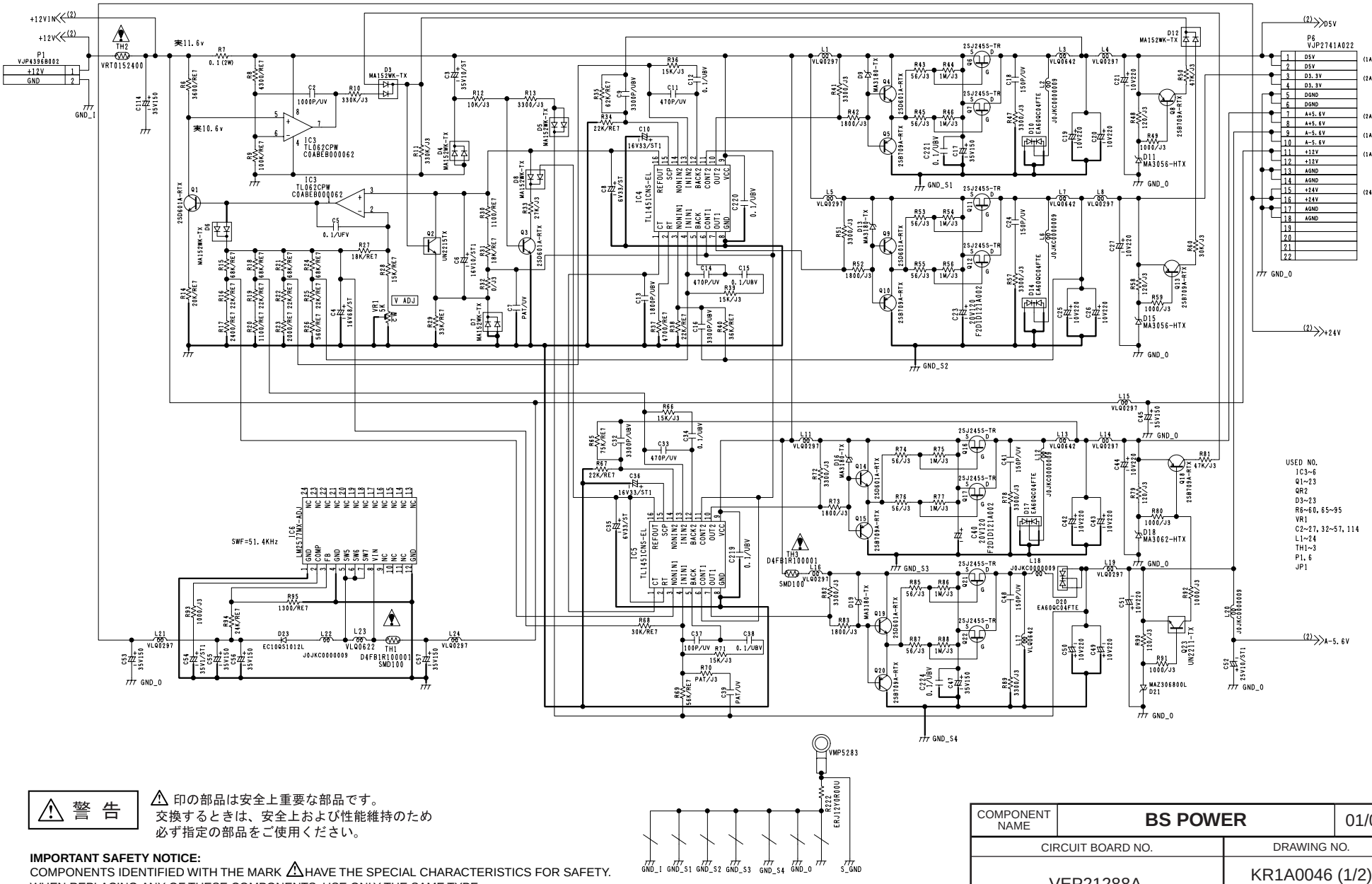
COMPONENT NAME	**BS AUDIO**	06/08
CIRCUIT BOARD NO.		DRAWING NO.
VEP24184A/B		KR4A0032 (6/8) (0)
		SCM007



COMPONENT NAME	**BS AUDIO**	07/08
CIRCUIT BOARD NO.		DRAWING NO.
VEP24184A/B		KR4A0032 (7/8) (0)
		SCM008



COMPONENT NAME	BS AUDIO	08/08
CIRCUIT BOARD NO.		DRAWING NO.
VEP24184A/B		KR4A0032 (8/8) (0)
		SCM009

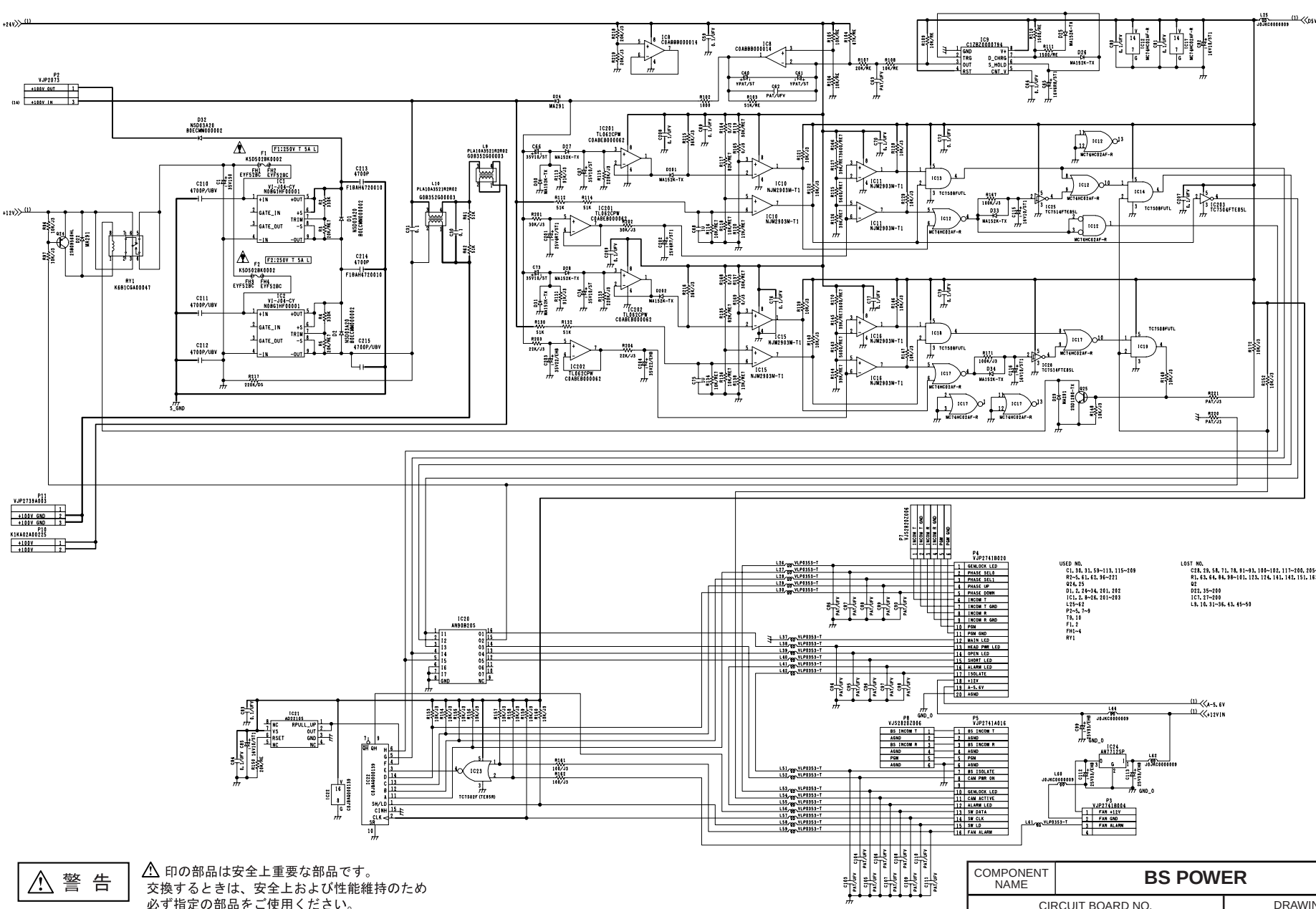


⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

COMPONENT NAME	BS POWER	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP21288A		KR1A0046 (1/2) (0)
		SCM010



⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
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WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

COMPONENT NAME	BS POWER	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP21288A		KR1A0046 (2/2) (0)
		SCM011

SECTION 5

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board unit marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the discontinuation of this assembly in production, it will no longer be available.
7. "M" in Remark column indicates needed in the periodical maintenance.

CONTENTS

SERVICING FIXTURES & TOOLS
MECHANICAL CHASSIS ASSEMBLY (AJ-CA901P/EN/MC) PRT-1
MECHANICAL CHASSIS ASSEMBLY (AJ-BS901P/EN/MC) PRT-3
POWER SUPPLY ASSEMBLY (AJ-BS901P/EN/MC) PRT-4
PACKING PARTS ASSEMBLY PRT-7
ELECTRICAL REPLACEMNT PARTS LIST (AJ-CA901P) EPL-1
ELECTRICAL REPLACEMNT PARTS LIST (AJ-BS901P) EPL-6
ELECTRICAL REPLACEMNT PARTS LIST (AJ-CA901EN/MC) EPL-16
ELECTRICAL REPLACEMNT PARTS LIST (AJ-BS901EN/MC) EPL-21

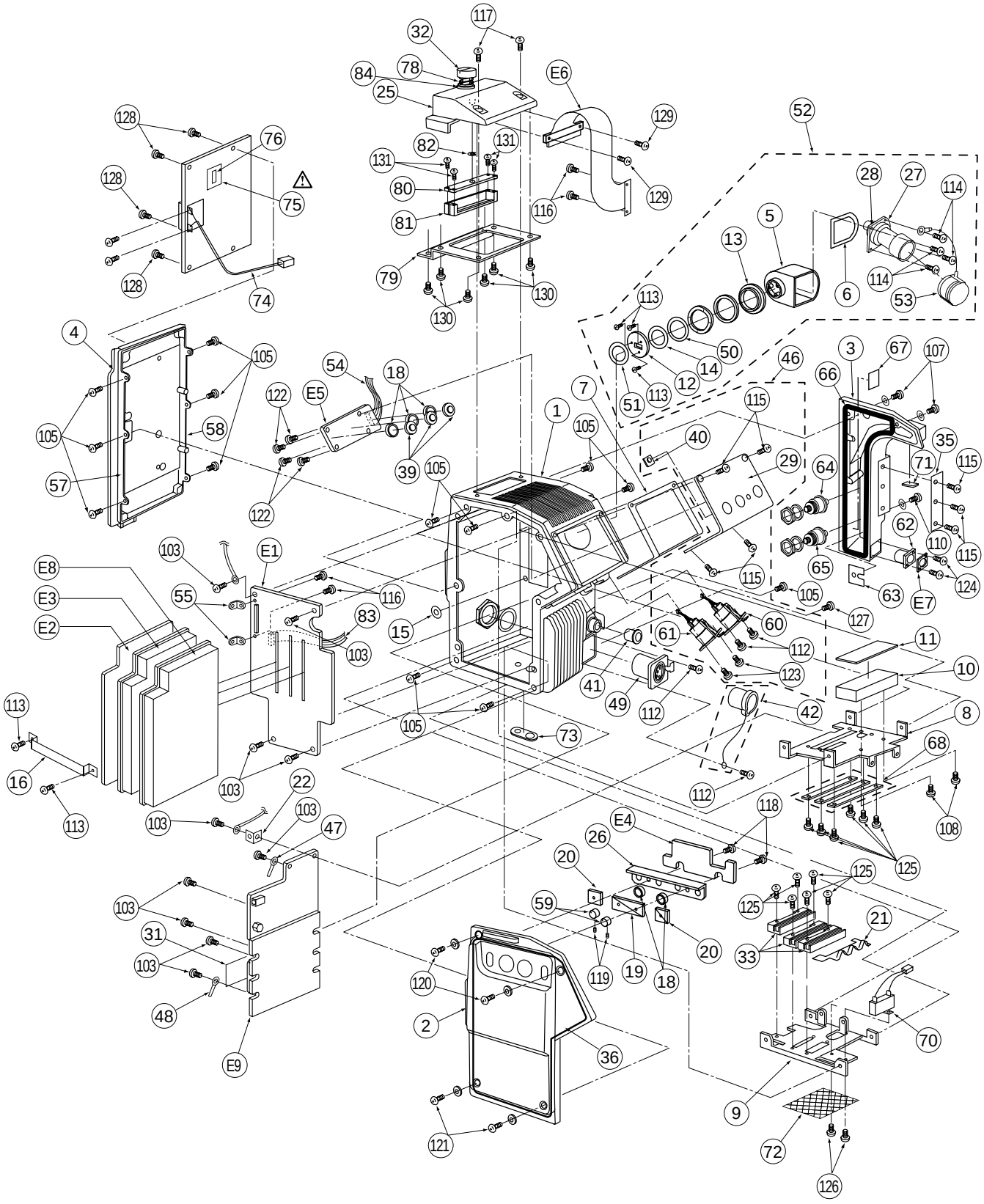
SERVICING FIXTURES & TOOLS

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1194	EXTENSION BOARD	1	For AJ-CA901P/EN/MC
2	VFK1671	EXTENSION BOARD	1	For AJ-BS901P/EN/MC
3	VFK1703	EXTENSION CABLE	1	For AJ-BS901P/EN/MC
4	VFK1590	PLD VERSION UPGRADE TOOL	1	
5	VFK1590P2H	CPLD WRITER CABLE	1	For AJ-BS901P/EN/MC
6	VFK1590P2K	CPLD WRITER CABLE	1	For AJ-CA901P/EN/MC

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (AJ-CA901P/EN/MC)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



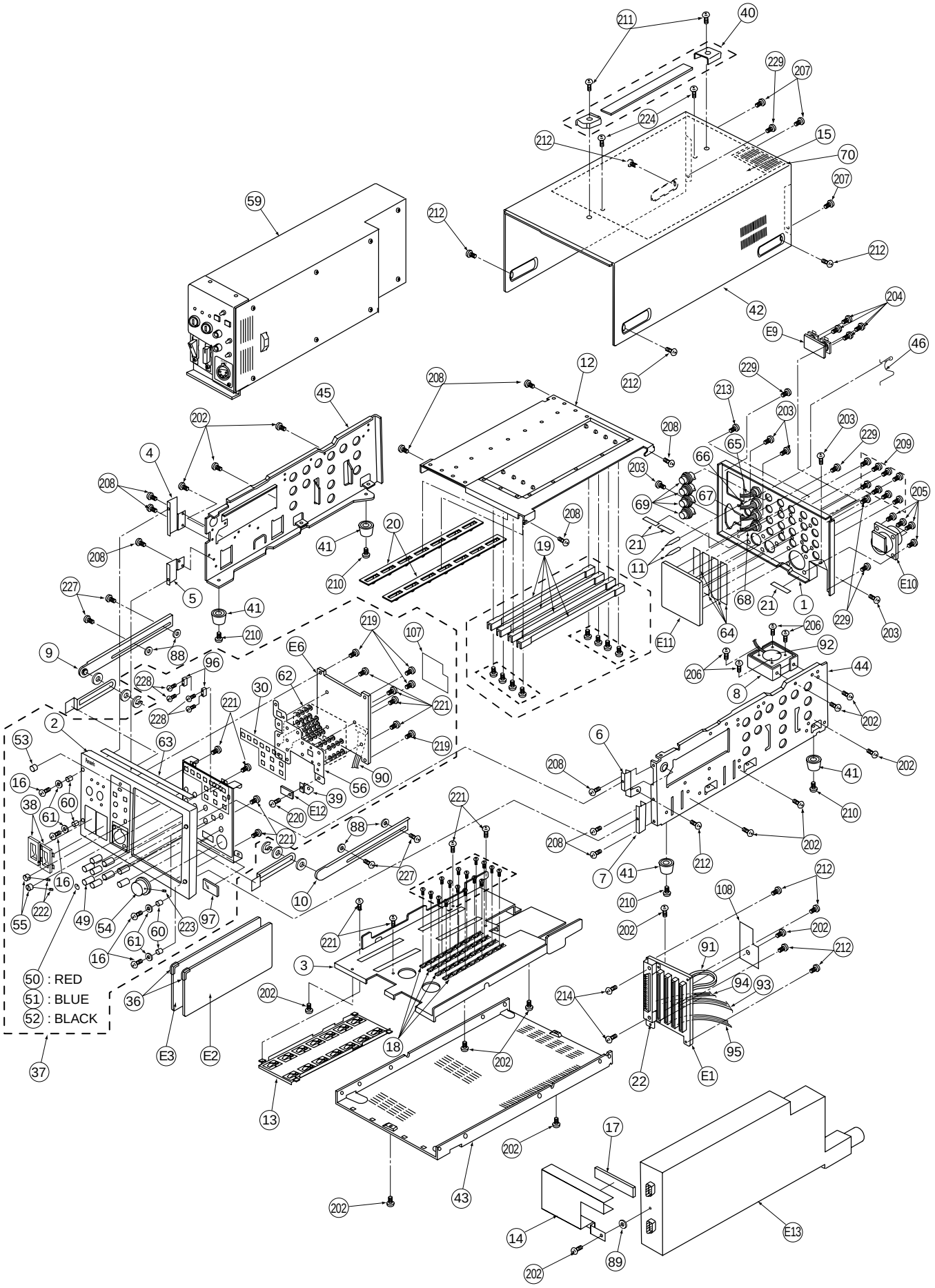
MECHANICAL CHASSIS ASSEMBLY (AJ-CA901P/EN/MC)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VKM5475	MAIN FRAME	1	
2	VKF3828	SIDE PANEL (L)	1	
3	VKF3372	SIDE PANEL (R)	1	
4	VGQ5903	PLATE	1	
5	VKF3277	CONNECTOR COVER	1	
6	VMT1229	SHIELD SHEET	1	
7	VSC5312	SHIELD SHEET FOR PANEL	1	
8	VMP6937	P.C.BOARD GUIDE (UPPER)	1	
9	VMP6938	P.C.BOARD GUIDE (LOWER)	1	
10	VMD4316	BLOCK (1)	1	
11	VSC5313	THERMAL CONDUCTIVE 2	1	
12	VMD4309	LOCK PLATE 2	1	
13	VMD4310	WASHER (SMALL)	1	
14	VMD4311	TEFLON WASHER	1	
15	VMD4312	TEFLON WASHER (LARGE)	1	
16	VMA0L85	P.C.BOARD HOLDER	1	
18	VMX3113	COLLAR	5	
19	VMG1426	WATERPROOF RUBBER	1	
20	VMT1230	WATERPROOF SHEET	2	
21	VMB3582	EARTH SPRING (2)	1	
22	VMD4527	TERMINAL ANGLE	1	
25	VKF3796	HOUSING	1	
26	VMA0M77	INCOM BRACKET	1	
27	VMP6940	CN PLATE (K)	1	FOR AJ-CA901P
27	VMP6941	CN PLATE (F)	1	FOR AJ-CA901EN/MC
28	VSC5275	LUG TERMINAL	1	FOR AJ-CA901P
29	VMP6838	REAR PANEL A	1	
31	VMZ3177	CAM, FIL BARRIER (C)	1	
32	VHD1629	SCREW	1	
33	VGQ4137	P.C.BOARD GUIDE RAIL	3	
35	VMG1099	PROTECT RUBBER	1	
36	VMG0832	SHIELD TUBE	1	
39	VGU8993	OPERATION BUTTON	3	
40	VGL0512	LED PANEL LIGHT	1	
41	VEE0S50	CAP	1	
42	K1YD04000002	XLR CAP	1	FOR DC OUT
46	VEJ2017	JACK ASS'Y	1	
47	VJF1443	CLAMPER	1	
48	SHR330	CLAMPER	1	
49	VEE0S46	EXT DC OUT CABLE	1	
50	VMD4313	WASHER (MIDDLE)	1	
51	VSC5314	INSULATION SHEET (1)	1	
52	VYK0D29	CONNECTOR CASE ASS'Y	1	FOR AJ-CA901P
52	VYK0E13	CONNECTOR CASE ASS'Y	1	FOR AJ-CA901EN/MC
53	VEE0S06	CABLE ASS'Y	1	FOR AJ-CA901P
53	VEE0S07	CABLE ASS'Y	1	FOR AJ-CA901EN/MC
54	VEE0S51	CABLE	1	
55	VMP6942	L ANGLE	2	
57	VHN0349	PLATE NUT (L)	1	
58	VHN0350	PLATE NUT (R)	1	
59	VXU0977	VR KNOB	2	
60	VEE0S55	CABLE	1	
61	VEE0S53	CABLE	1	
62	VMX3171	DC IN SPACER	1	
63	VMZ3238	CABLE PROTECT SHEET	1	
64	VEE0S49	CABLE	1	
65	VEE0S48	CABLE	1	
66	VMG0832	SHIELD TUBE	1	
67	VSC5311	INSULATION SHEET	1	
68	VJF1455	GUIDE RAIL	1	
70	VEE0S45	CABLE	1	
71	VMG1425	CUSHION	1	
72	VMW0214	MESH SHEET	1	
73	VMG0953	E.E CAP	1	
74	VEE0S47	CABLE	1	
⚠ 75	VGQ1712	AHP BASE	1	
76	VJF1158	CLAMPER	1	
78	VMB3821	SPRING	1	
79	VMP7808	HOUSING PLATE	1	
80	VMP7809	CONNECTOR PLATE	1	

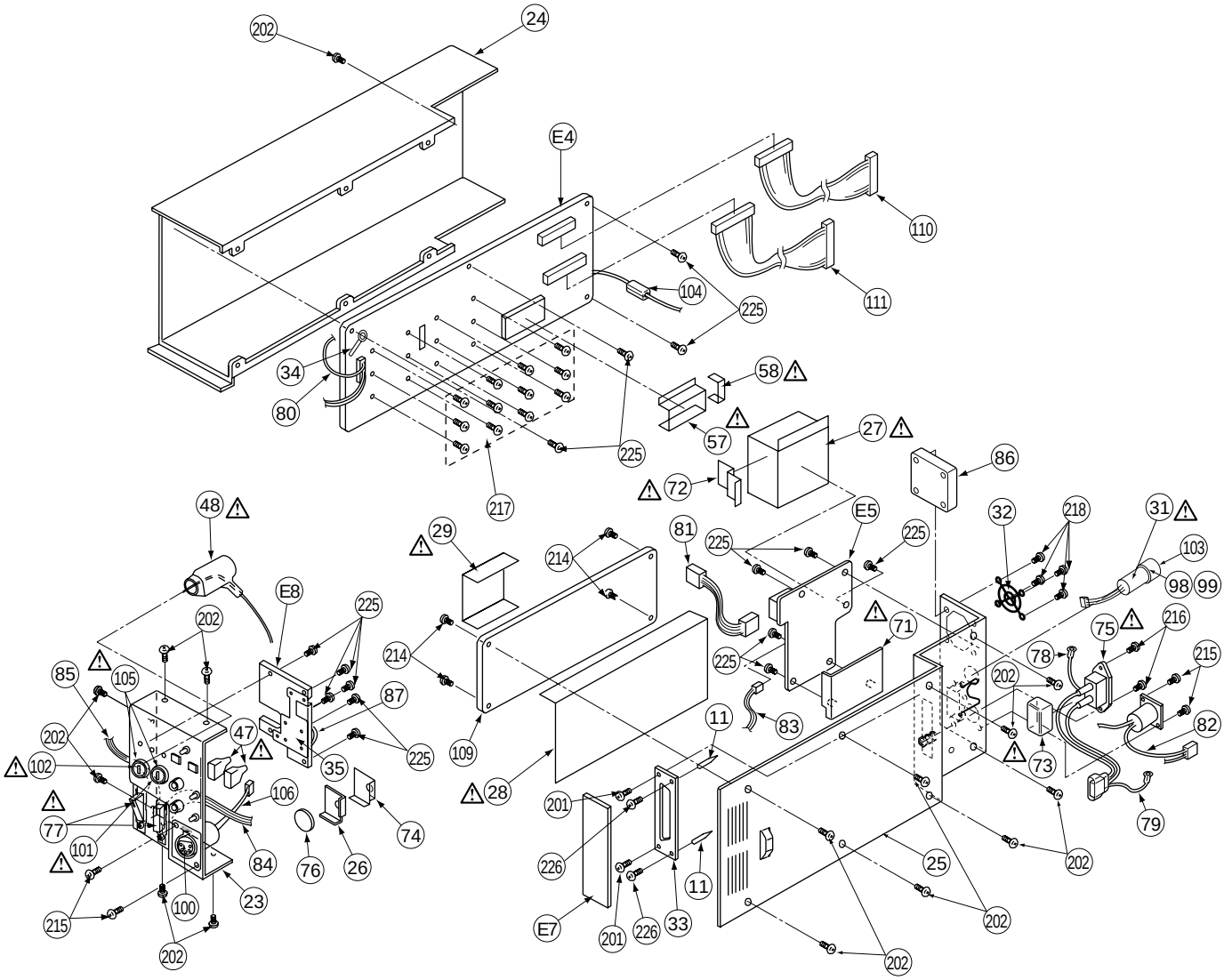
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
81	VMP7810	CONNECTOR HOLDER	1	
82	XUC25VM	E-RING	1	
83	VEE0S54	CABLE	1	
84	VHN0360	WASHER	1	
103	XYN3+K8	SCREW	10	
105	XYN3+C8	SCREW	13	
107	XSN3+8FZ	SCREW	2	
108	XSB3+5	SCREW	2	
110	XSN3+35FZ	SCREW	1	
112	XSN25+6FC	SCREW	4	
113	XYNV3+K12S	SCREW	5	
114	XSN3+6FZ	SCREW	4	
115	XSB3+6FZ	SCREW	7	
116	XYN3+K6RS	SCREW	4	
117	XSB4+14FCK	SCREW	2	
118	XYN3+C6	SCREW	2	
119	XXEV2W3FP	HEX SCREW	2	
120	VHD1515	SCREW	2	
121	VHD1517	SCREW	2	
122	XYN3+K6	SCREW	4	
123	XSN26+6FCK	SCREW	2	
124	XSN25+10FC	SCREW	2	
125	XYN2+J8	SCREW	12	
126	XSB3+6	SCREW	2	
127	XSB3+8FZ	SCREW	1	
128	XSS3+8FZ	SCREW	4	
129	XYN2+F10	SCREW	2	
130	XSS25+5	SCREW	6	
131	XSS2+6	SCREW	4	
E1	VEP20816A	CAM MOTHER P.C.BOARD	1	
E2	VEP23516C	CAM DIGITAL P.C.BOARD	1	FOR AJ-CA901P
E2	VEP23516D	CAM DIGITAL P.C.BOARD	1	FOR AJ-CA901EN/MC
E3	VEP21250A	CAM POWER P.C.BOARD	1	
E4	VEP24165A	CAM INCOM P.C.BOARD	1	
E5	VEP20817A	CAM RET P.C.BOARD	1	
E6	VEP20A38A	CAM IF P.C.BOARD	1	
E7	VEP20835A	CAM DC IN P.C.BOARD	1	
E8	VEP27216A	CAM RF ASS'Y	1	
E9	VEP20834A	CAM FIL ASS'Y	1	

MECHANICAL CHASSIS ASSEMBLY (AJ-BS901P/EN/MC)



POWER SUPPLY ASSEMBLY (AJ-BS901P/EN/MC)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



MECHANICAL CHASSIS ASSEMBLY (AJ-BS901P/EN/MC)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VGM1807	REAR PANEL	1	
2	VGM2073	FRONT COVER	1	
3	VMK0539	MAIN FRAME	1	
4	VMA0L73	FL BRACKET A	1	
5	VMA0L74	FL BRACKET B	1	
6	VMA0L75	FR BRACKET A	1	
7	VMA0L76	FR BRACKET B	1	
8	VMA0L77	FAN BRACKET	1	
9	VMD4511	RAIL (L)	1	
10	VMD4512	RAIL (R)	1	
11	VMS7030	LOCATE PIN	4	
12	VMA0L78	UPPER GUIDE ASS'Y	1	
13	VMA0L81	LOWER GUIDE	1	
14	VMA0M48	P.C.BOARD HOLDER PLATE	1	
15	VMP7074	TOP PANEL ANGLE	1	
16	VHD1516	SCREW	4	
17	VMG1399	HOLDER RUBBER	1	
18	VJF1448	CARD RETAINER	4	
19	VGQ6310	GUIDE RAIL	4	
20	VMB3558	SLIDE FINGER	2	
21	VMC1760	SHIELD FINGER	3	
22	VMP6932	D-SUB BRACKET A	1	
23	VYP8260	POWER BOX FRONT PANEL	1	
24	VGP5592	POWER BOX CASE	1	
25	VGP5593	POWER BOX COVER	1	
26	VMD4510	INCOM SHIELD	1	
⚠ 27	VMZ3105	AC FIL BARRIER (1)	1	
⚠ 28	VMZ3103	POWER BARRIER (A)	1	
⚠ 29	VMZ3104	POWER BARRIER (B)	1	
30	VMT1262	BLIND PAD	1	
⚠ 31	VJF1446	FUSE PIPE	1	
32	VGF0527	FAN GUARD	1	
33	VMP6933	D-SUB PLATE B	1	
34	VMD4528	COATING CLIP	1	
35	VMA0M49	SWITCH ANGLE A	1	
36	VML3560	CARD PULLER	2	
37	VYP8878	FRONT PANEL ASS'Y	1	
38	VGQ1263	POWER SWITCH	2	
39	VMA0M46	ECU, LED HOLDER ANGLE	1	
40	VYH0257	HANDLE	1	
41	VKA0117	PLASTIC FOOT	4	
42	VGM1739	TOP PANEL	1	
43	VKU0572	BOTTOM PLATE	1	
44	VMP7205	SIDE FRAME R	1	
45	VMP6540	SIDE FRAME L	1	
46	VML2903	AC CORD HOOK	1	
⚠ 47	VMZ0580	SW COVER	2	
⚠ 48	VMZ2139	FUSE HOLDER COVER	3	
49	VGU4891	VR KNOB	9	
50	VGK2025	VR CAP (RED)	2	FOR VGU4891
51	VGK2026	VR CAP (BLUE)	2	FOR VGU4891
52	VGK2024	KNOB CAP	5	FOR VGU4891
53	VGU5285	VR KNOB	1	
54	VXU0979	RED KNOB ASS'Y	1	
55	VXU0976	SHUTTER KNOB ASS'Y	2	
56	VMP6930	SWITCH HOLDER ANGLE B	1	
⚠ 57	VMZ3109	POWER SUB BARRIER A	1	
⚠ 58	VJZ3178	POWER SUB BARRIER B	1	
59	VEK0F60	POWER SUPPLY ASS'Y	1	FOR AJ-BS901P
59	VEK0F61	POWER SUPPLY ASS'Y	1	FOR AJ-BS901EN/MC
60	VMX3137	COLLAR	4	
61	VMX3222	WASHER	4	
62	XWE6	WASHER	36	
63	VMT1301	GASKET	1	
64	VSC5274	EARTH PLATE	4	
65	VEE0S56	CABLE	1	
66	VEE0S57	CABLE	1	
67	VEE0S58	CABLE	1	
68	VEE0T64	CABLE	1	
69	VJS3462	CONNECTOR (FEMALE)	4	K1SMBDBA0002
70	VGQ6499	DUSTPROOF MESH	1	
⚠ 71	VMZ3102	AC FIL INSULATION PLATE	1	
⚠ 72	VMZ3170	AC FIL BARRIER (2)	1	
⚠ 73	VMZ1252	AC INLET COVER	1	

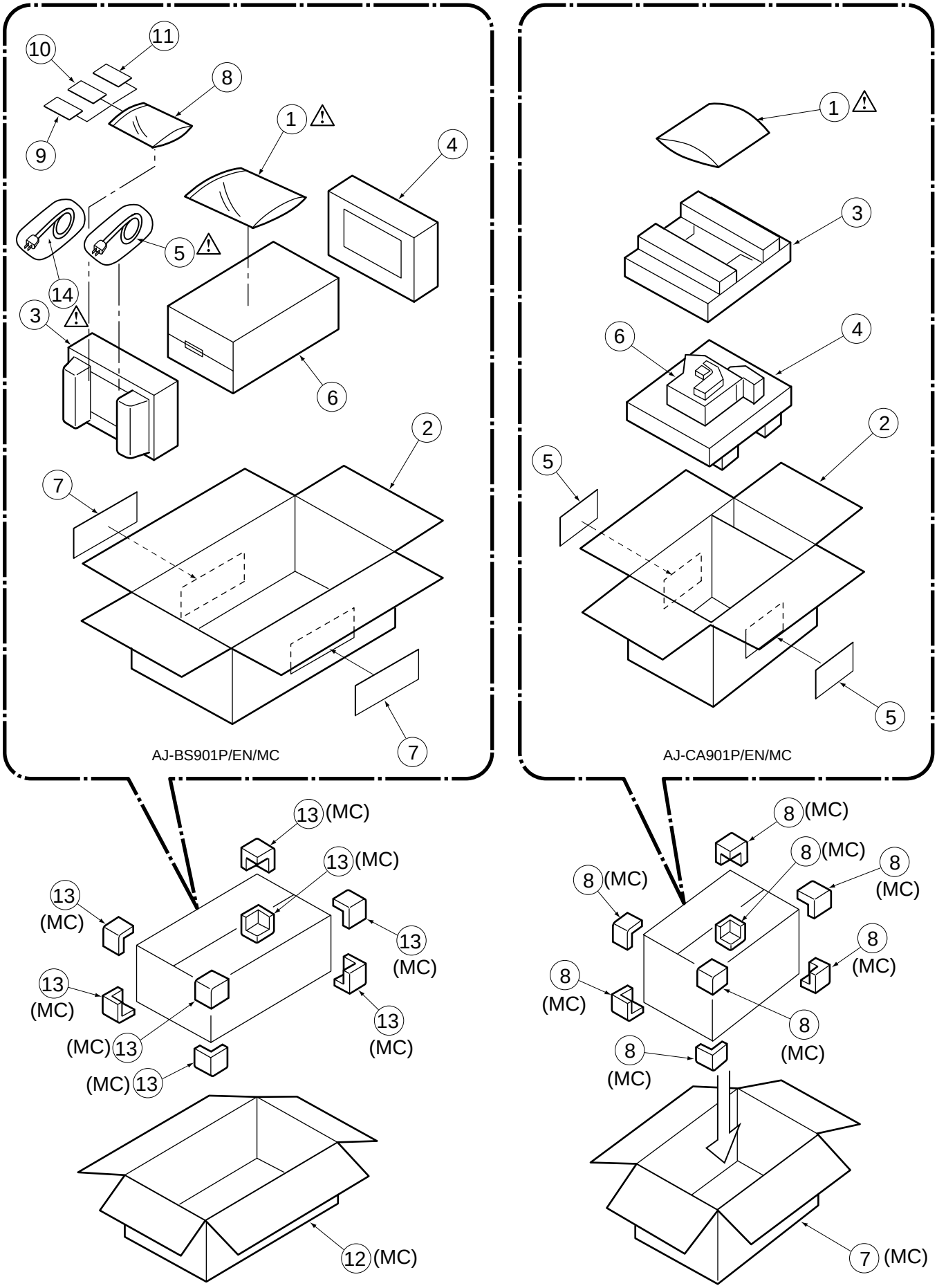
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
74	VGF0908	INSULATION SHEET	1	
⚠ 75	VJP0083	AC INLET	1	
76	VJS3290	CONNECTOR (FEMALE)	1	K1AB105H0003
⚠ 77	EST15147V-AL	POWER SW	2	
78	VEE0M67	CABLE	1	
79	VEE0M68	CABLE	1	
80	VEE0M69	CABLE	1	
81	VEE0M70	CABLE	1	
82	VEE0M71	CABLE	1	
83	VEE0M73	CABLE	1	
84	VEE0Z19	CABLE	1	
85	VEE0N59	CABLE	1	
86	L6FAHCBH0004	FAN MOTOR	1	
87	VJF1443	CLAMPER	1	
88	XWE3D8	WASHER	4	
89	VMX1558	NYLON WASHER	1	
90	VEE0566	CABLE	1	
91	VEE0S62	CABLE	1	
92	VEE0S63	FAN CABLE	1	
93	VWJ1542	CABLE	1	
94	VWJ10E5118L0	CABLE	1	
95	VWJ24E5128L0	CABLE	1	
96	VGK2768	SWITCH GUARD	2	
97	VKW2946	ACRYLIC PANEL	1	
⚠ 98	VJF1286	FUSE HOLDER	1	
⚠ 99	VJF1287	FUSE HOLDER	1	
201	VHD5013	SCREW	2	
202	XSB3+6	SCREW	31	
203	XSB25+6FZ	SCREW	5	
204	XSN26+6FZ	SCREW	4	
205	XSN3+6	SCREW	4	
206	XYN3+F20	SCREW	4	
207	XSB3+6FZ	SCREW	3	
208	XTB3+6F	SCREW	10	
209	XTB3+6JFZ	SCREW	8	
210	XTB3+8F	SCREW	4	
211	XSS4+12FZ	SCREW	2	
212	XSB4+6FZ	SCREW	9	
213	XYE4+EF6	SCREW	1	
214	XYN3+F6	SCREW	6	
215	XSN25+6	SCREW	4	
216	XSN3+10FZ	SCREW	2	
217	XYN3+F8	SCREW	12	
218	XSB3+18FZ	SCREW	4	
219	XSB3+5	SCREW	4	
220	XYN3+B6	SCREW	1	
221	XYN3+K6	SCREW	12	
222	XXEV2W3FP	HEX SCREW	2	
223	XXEV2W4FP	SCREW	1	
224	XSB26+6FZ	SCREW	2	
225	XYN3+K6	SCREW	15	
226	XYN25+C6	SCREW	2	
227	VHD0052	SCREW	4	
228	XQN17+BJ4FZ	SCREW	4	
229	XTB3+6FFZ	SCREW	5	
E1	VEP20818A	BS MOTHER P.C.BOARD	1	
E2	VEP23518E	BS DIGITAL P.C.BOARD	1	FOR AJ-BS901P
E2	VEP23518F	BS DIGITAL P.C.BOARD	1	FOR AJ-BS901EN/MC
E3	VEP24184A	BS AUDIO P.C.BOARD	1	FOR AJ-BS901P
E3	VEP24184B	BS AUDIO P.C.BOARD	1	FOR AJ-BS901EN/MC
E4	VEP21288A	BS POWER P.C.BOARD	1	
E5	VEP21249A	BS AC FILTER P.C.BOARD	1	
E6	VEP20819C	BS FRONT P.C.BOARD	1	
E7	VEP21251A	BS POWER IF P.C.BOARD	1	
E8	VEP24163A	BS ICOM P.C.BOARD	1	
E9	VEP20840B	BS AUDIO CN P.C.BOARD	1	
E10	VEP20833A	BS COMM P.C.BOARD	1	
E11	VEP20832A	BS REAR P.C.BOARD	1	
E12	VEP26248A	BS ECU LED P.C.BOARD	1	
E13	VEP27214B	BS RF ASS'Y	1	FOR AJ-BS901P
E13	VEP27214C	BS RF ASS'Y	1	FOR AJ-BS901EN/MC

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
100	K1AA104H0020	CONNECTOR	1	
⚠ 101	K5D102ZD0001	FUSE	1	
⚠ 102	K5D252BK0002	FUSE	1	
⚠ 103	K5D153ZD0001	FUSE	1	
104	J0KG00000046	FERRITE CORE	1	
⚠ 105	K3GA1BJ00014	FUSE HOLDER	2	
106	VEE0M74	CABLE	1	
107	VGF0922	FRONT PROTECTION SHEET	1	
108	VMZ3171	BS MOTHER BARRIER	1	
109	N0AE1EJ00001	AC/DC CONV	1	
110	VEE0M76	CONNECTOR	1	
111	VEE0Z20	CONNECTOR	1	

PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		AJ-BS901P/EN/MC		
⚠ 1	VQT0F82	OPERATING INSTRUCTIONS	1	FOR AJ-BS901P/EN
⚠ 1	VQT0F81	OPERATING INSTRUCTIONS	1	FOR AJ-BS901MC
2	VPG9169	PACKING CASE	1	
3	VPN5583	CUSHION F	1	
4	VPN5584	CUSHION R	1	
⚠ 5	VJA0488	POWER CODE	1	FOR AJ-BS901P K2CG3CH00001
⚠ 5	VJA0775	POWER CODE	1	FOR AJ-BS901EN
⚠ 5	VJA1166	POWER CODE	1	FOR AJ-BS901MC
6	VPF0677	POLYETHYLENE BAG	1	
7	VQL9821	PACKING LABEL	2	FOR AJ-BS901P
7	VQL0A23	PACKING LABEL	2	FOR AJ-BS901EN
7	VQL9820	PACKING LABEL	2	FOR AJ-BS901MC
8	VPF0679	POLYETHYLENE BAG	1	
9	K1BB24A00003	CONNECTOR	1	
10	K1BA08A00015	CONNECTOR	1	
11	K1BA12A0014	CONNECTOR	1	
12	VPG0W25	PACKING CASE	1	FOR AJ-BS901MC
13	VPN1791	CORNER PAD	8	FOR AJ-BS901MC
⚠ 14	VJA0746	POWER CODE (E)	1	FOR AJ-BS901EN
		AJ-CA901P/EN/MC		
⚠ 1	VQT0F80	OPERATING INSTRUCTIONS	1	FOR AJ-CA901P/EN
⚠ 1	VQT0F83	OPERATING INSTRUCTIONS	1	FOR AJ-CA901MC
2	VPG0L03	PACKING CASE	1	
3	VPN5645	CUSHION (UPPER)	1	
4	VPN6098	CUSHION (LOWER)	1	
5	VQL9822	PACKING LABEL	2	FOR AJ-CA901P
5	VQL0A24	PACKING LABEL	2	FOR AJ-CA901EN
5	VQL9821	PACKING LABEL	2	FOR AJ-CA901MC
6	VPF0676	POLYETHYLENE BAG	1	
7	VPG0W24	PACKING CASE	1	FOR AJ-CA901MC
8	VPN1791	CORNER PAD	8	FOR AJ-CA901MC

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

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ELECTRICAL REPLACEMENT PARTS LIST

AJ-CA901P

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20816A	CAM MOTHER P.C.BOARD	1	(RTL)
■ E2	VEP23516C	CAM DIGITAL P.C.BOARD	1	(RTL)
■ E3	VEP21250A	CAM POWER P.C.BOARD	1	(RTL)
■ E4	VEP24165A	CAM ICOM P.C.BOARD	1	(RTL)
■ E5	VEP20817A	CAM RET P.C.BOARD	1	(RTL)
■ E6	VEP20A38A	CAM IF P.C.BOARD	1	(RTL)
■ E7	VEP20835A	CAM DCIN P.C.BOARD	1	(RTL)
■ E8	VEP27216A	CAM RF U P.C.BOARD	1	(RTL)
■ E9	VEP20834A	CAM RIL U P.C.BOARD	1	(RTL)
■ E1	VEP20816A	CAM MOTHER P.C.BOARD	1	(RTL)
D1	S3V60	DIODE	1	B0EAKR000020
J1	VEE0S43	CABLE	1	
L6	J0JKC0000009	FILTER	1	
L11	J0JBC0000019	FILTER	1	
L12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L13	J0JBC0000019	FILTER	1	
L14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L15	J0JBC0000019	FILTER	1	
L16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L17-21	J0JBC0000019	FILTER	5	
L22	J0JKC0000009	FILTER	1	
L23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L24	J0JBC0000019	FILTER	1	
L25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L26	J0JBC0000019	FILTER	1	
L27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L28	J0JBC0000019	FILTER	1	
L29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L30-34	J0JBC0000019	FILTER	5	
L35	J0JKC0000009	FILTER	1	
L36	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L37-40	J0JBC0000019	FILTER	4	
L41	J0JKC0000009	FILTER	1	
L42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L43,44	J0JBC0000019	FILTER	2	
L45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L46-49	J0JBC0000019	FILTER	4	
L50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L51	J0JKC0000009	FILTER	1	
L52	J0JBC0000019	FILTER	1	
L53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
P1	VJS4064N070E	CONNECTOR	1	
P2	K1KA02A00009	CONNECTOR (MALE)	1	
P3-P5	VJS4064N160E	CONNECTOR (FEMALE)	3	K1KAG0A00006
P7	VJP2824B003	CONNECTOR (MALE)	1	K1KA03B00005
P8	K1KA02A00009	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P9	VJP2741A004	CONNECTOR (MALE)	1	K1KA04A00236
P10	VJP4395D002	CONNECTOR (MALE)	1	
P11	VJP4395D003	CONNECTOR (MALE)	1	
P12	VJP4395D014	CONNECTOR (MALE)	1	
P13	VJP4395D015	CONNECTOR (MALE)	1	
P14	VJP4395B006	CONNECTOR (MALE)	1	
P15	VJP4395D004	CONNECTOR (MALE)	1	
P16	VJP4395D008	CONNECTOR (MALE)	1	
R1-R4	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
⚠ TH1	D4ZZ00000018	THERMISOTR	1	
■ E2	VEP23516C	CAM DIGITAL P.C.BOARD	1	(RTL)
C1	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C2	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C3	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C6	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C7-10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C11	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C12,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C14,15	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C16,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C18	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C20	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C22	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C24	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C25-28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C29	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C30,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C32,33	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C34,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C36	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C38,39	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C41	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C42,43	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C44	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C46	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C48	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C49-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C53	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C54,55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C56,57	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C58,59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C60,61	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C62-67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C68	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C69	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C70	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C71-73	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C74	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C75	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C76	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C77	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C79	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	
C80	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C82	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C83-87	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C88	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C89,90	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C91	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C92-95	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C96	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C97-99	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C100	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C101	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C102	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C103	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C104	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C105	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C106	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C107	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C108	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C109	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C110	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C111	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C112	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C114	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C115	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C116	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C117	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C119	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C120	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C121	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C122	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C123	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C124	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C125	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C126	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C127	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C128	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C129,30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C131	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C132	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C133	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C134	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C135	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C136	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C137	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C138,39	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C140	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C141,42	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C143	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C144	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C145	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C146	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C147	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C148	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C149	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C150	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C151	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C152	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C153	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C154	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C155	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C156	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C157	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C158,59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C160	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C161	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C162	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C163	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C164	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C165	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C166	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C167,68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C169	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C170,71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C172	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C173	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C174	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C175	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C176	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C177	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C178	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C179,80	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C181,82	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C183	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C184	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C185	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C186	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C187,88	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C189	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C190,91	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C192	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C193,94	F1J2E1030004	C.CAPACITOR CH350V 0.01U	2	
C195	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C196,97	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C198	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C199	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C201	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C202-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C205	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C206	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C207	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C208	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C209	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C210	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C211-13	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C214	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C215	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C216	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C217	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C218,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C220-22	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C223	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C224	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C225	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C226	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C227,28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C257,58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C261,62	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C263,64	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C265	VCEA0JAP470	C.CAPACITOR 6.3V 47P	1	F2D0J4700001
C267	ECCF1H820JC	C.CAPACITOR 50V 82P	1	
D1,D2	MA3047	DIODE	2	
D3,D4	1SS355	DIODE	2	B0ACCK000005
D5,D6	B0JCML000002	DIODE	2	
IC1-C3	C0JBAZ000855	IC	3	
IC4	AD818AR	IC	1	C0ABAB000064
IC5	TL062CPW	IC	1	
IC6	AN8133FHQ	IC	1	
IC7	AD818AR	IC	1	C0ABAB000064
IC8	TL062CPW	IC	1	
IC9	AN8133FHQ	IC	1	
IC10	AD818AR	IC	1	C0ABAB000064
IC11	TL062CPW	IC	1	
IC12	AN8133FHQ	IC	1	
IC13	C0JBAA000115	IC	1	
IC14-18	C0JBAF000315	IC	5	
IC19	C1AB00001618	IC	1	
IC20-22	C0JBAR000168	IC	3	
IC23	TC7SH04FU	IC	1	
IC24	C0JBAA000115	IC	1	
IC25,26	TL062CPW	IC	2	
IC27	TC7SH04FU	IC	1	
IC28	NJM431U	IC	1	C0DBEZC00003
IC29	TL062CPW	IC	1	
IC30	C0CBABC00060	IC	1	
IC31	XC62EP3202M	IC	1	
IC32	EPM7064AE441	IC	1	
IC33	C1AB00001618	IC	1	
IC34	C0JBAZ000855	IC	1	
IC35	C0JBAZ000279	IC	1	
IC36	C0JBAA000115	IC	1	
IC37,38	TL062CPW	IC	2	
IC39	MN64672	IC	1	
IC40,41	TL062CPW	IC	2	
IC42	MN64672	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC43	C1AB00001136	IC	1	
IC45	C1AB00000367	IC	1	
IC46	C0JBAA000115	IC	1	
IC47	C1AB00001136	IC	1	
IC48	MN64672	IC	1	
IC49,50	TL062CPW	IC	2	
IC54	TC7SH04FU	IC	1	
IC55	C0EBH0000053	IC	1	
IC56	C0JBAA000076	IC	1	
IP32	VSI3719	IC	1	
J1	VJS3307	CONNECTOR (FEMALE)	1	K1QZB1AB0001
L1-L3	J0JBC0000041	FILTER	3	
L4	J0JKC0000009	FILTER	1	
L5-18	J0JBC0000041	FILTER	14	
L19	VLQ0163J470	COIL 47UH	1	
L21	VLQ0163J330	COIL 33UH	1	G1C330J00004
L22	J0JBC0000041	FILTER	1	
L23,24	ELJRE8N2JF2	COIL	2	
L25,26	J0JBC0000041	FILTER	2	
L27	VLQ0171KR22N	COIL 0.22UH	1	G0CR22KA0025
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJP4395D007	CONNECTOR (MALE)	1	
Q1-Q3	2SK316-Q	TRANSISTOR	3	2SK03160Q
Q4	2SB09560HL	TRANSISTOR	1	
Q5	2SD1280	TRANSISTOR	1	
Q6	2SB09560HL	TRANSISTOR	1	
Q7-Q9	UN2215	TRANSISTOR-RESISTOR	3	
Q10	2SA1461Y24	TRANSISTOR	1	
Q11	2SD0601ARL	TRANSISTOR	1	
Q13-15	UN2215	TRANSISTOR-RESISTOR	3	
Q16	UN5212	TRANSISTOR-RESISTOR	1	
R3,R4	EXB24V473J	COMBI.R-R 47K	2	
R7,R8	EXB24V473J	COMBI.R-R 47K	2	
R11,12	EXB24V473J	COMBI.R-R 47K	2	
R15,16	EXB24V473J	COMBI.R-R 47K	2	
R19,20	EXB24V473J	COMBI.R-R 47K	2	
R21	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R22	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R23	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R25	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R26	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R28	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R29	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R30,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R33	ERJ3GEYJ623	M.RESISTOR CH 1/16W 62K	1	
R34	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R35	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R36	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R38	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R39	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R40	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R41	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R42	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R43	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R45	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R46	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R47	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R48,49	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R51	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R52	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R53	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R55	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R56	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R57	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R58	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R59	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R60	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R62	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R63	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R64	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R65,66	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R67	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R68	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R69	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R70	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R72	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R73-75	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R77	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R78	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R80	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R81	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R83	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R84	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R85	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R86	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R87	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R88	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R89,90	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R91	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R92	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R93	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R94	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R95	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R102-07	EXB24V473J	COMBI.R-R 47K	6	
R108-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R112,13	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R116	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R120,21	EXB24V473J	COMBI.R-R 47K	2	
R122,23	EXB24V101J	COMBI.R-R 100	2	
R124	EXB24V473J	COMBI.R-R 47K	1	
R126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R127	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R128	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R129	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R132	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R133	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R134	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R136	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R137	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R138	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R140-42	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R143-45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R146	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R147	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R148	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R149	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R150	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R151-53	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R154-56	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R157	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R158	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R159	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R160	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R162-64	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R165-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R168	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R169	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R170	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R171	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R172	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R173-75	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R176-78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R179	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R180-84	EXB24V101J	COMBI.R-R 100	5	
R185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R187	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R188	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R189	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R191	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R192-96	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	5	
R197-01	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	5	
R202	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R203	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R204,05	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R206,07	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	2	
R208,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R210	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R211-13	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	3	
R214	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R215,16	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R217,18	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	2	
R219,20	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R221	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R222-24	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	3	
R225	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R249	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R250	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R251	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R252	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R254,55	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R258,59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
SW1	CAS-120B	SWITCH	1	
TP1-P3	EYF6CU	TEST POINT	3	
VR1	VRV0303B500A	V.RESISTOR 50	1	
VR2	VRV0303B502	V.RESISTOR 5K	1	
VR3	VRV0303B500A	V.RESISTOR 50	1	
VR4	VRV0303B502	V.RESISTOR 5K	1	
VR5	VRV0303B500A	V.RESISTOR 50	1	
VR6	VRV0303B502	V.RESISTOR 5K	1	
X1	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
		MISCELLANEOUS		
	VSC5322	HEAT SINK	1	
	VMT1231	THERMAL CONDUCTIVE 1	1	
	XYN2+J6	SCREW	4	
	VMX3203	SPACER	2	
	VMS7112	SPACER	1	
	XYN3+K6	SCREW	1	
■ E3	VEP21250A	CAM POWER P.C.BOARD	1	(RTL)
C1	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C3	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C5	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C9	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C10	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C11	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C12	ECST0JX336	T.CAPACITOR CH6.3V 33U	1	
C13	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C17	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C18,19	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C20,21	EEUFC1V151	E.CAPACITOR 35V 150P	2	
C22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C23,24	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C25-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C28,29	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C30,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C32,33	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C34-37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C38	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C39,40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C41	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C42	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C43	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C44,45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C46	ECST1CY335ZR	T.CAPACITOR CH 16V 3.3U	1	
C47,48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C49	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C51	ECST1CC226Z	T.CAPACITOR CH 16V 22U	1	
C52	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C53,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C55	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C56-58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C60,61	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C62,63	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C65	ECST1CC226Z	T.CAPACITOR CH 16V 22U	1	
C66-70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C72	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C73,74	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C76	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C77	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C78	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C79	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C80	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C81,82	ECST1CC226Z	T.CAPACITOR CH 16V 22U	2	
C108	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C110	ECST1CC226Z	T.CAPACITOR CH 16V 22U	1	
C112,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C114,15	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C116	ECSF1AE336	T.CAPACITOR CH 10V 33U	1	
D1-D6	MA152WK	DIODE	6	
D7	MA3180	DIODE	1	
D8	EA60QC04F	DIODE	1	B0JDRE000002
D9	MA3062	DIODE	1	
D10	MA3180	DIODE	1	
D11	EA60QC04F	DIODE	1	B0JDRE000002
D12	MAZ306800L	DIODE	1	
D13-16	MA3047	DIODE	4	
D17	B0JCML000002	DIODE	1	
IC1	TL062CPW	IC	1	
IC2	TL1451CNS	IC	1	C0DBAMA00001
IC3	NJM431U	IC	1	C0DBEZC00003
IC4,C5	TL062CPW	IC	2	
IC6	NJM431U	IC	1	C0DBEZC00003
IC7	C0ABEB000023	IC	1	
IC8	NJM4560MD	IC	1	C0ABBB000116
IC9	MCD5223	IC	1	B3RAC0000004
IC10	C0ABBA000075	IC	1	
IC11	MCD5223	IC	1	B3RAC0000004
IC12	TL062CPW	IC	1	
IC13,14	TC4W53FU	IC	2	
IC15	C0ABEB000023	IC	1	
IC16	TC4W53FU	IC	1	
IC17	C0ABEB000023	IC	1	
IC18	NJM4560MD	IC	1	C0ABBB000116
IC29	C0ABEB000023	IC	1	
L1	VLQ0417	COIL 10UH	1	
L2	J0JKC0000009	FILTER	1	
L3	VLQ0400	COIL	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L4,L5	VLQ0417	COIL 10UH	2	
L6	VLQ0400	COIL	1	
L7	J0JKC0000009	FILTER	1	
L8	VLQ0417	COIL 10UH	1	
L9,10	J0JKC0000009	FILTER	2	
L11-13	J0JBC0000041	FILTER	3	
L14	J0JKC0000009	FILTER	1	
L15	J0JBC0000041	FILTER	1	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
Q1	2SD0601ARL	TRANSISTOR	1	
Q2	UN2215	TRANSISTOR-RESISTOR	1	
Q3,Q4	2SD0601ARL	TRANSISTOR	2	
Q5	2SB0709A0L	TRANSISTOR	1	
Q6	2SJ245S	TRANSISTOR	1	
Q7	2SB0709A0L	TRANSISTOR	1	
Q8	2SD0601ARL	TRANSISTOR	1	
Q9	2SB0709A0L	TRANSISTOR	1	
Q10	2SJ245S	TRANSISTOR	1	
Q11	2SD0601ARL	TRANSISTOR	1	
Q12	2SB09560HL	TRANSISTOR	1	
Q13	2SD1280	TRANSISTOR	1	
Q14-16	2SB09560HL	TRANSISTOR	3	
R1	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R2	ERW2PKR10	W.RESISTOR 2W 0.1	1	
R3	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R4	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R5,R6	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	2	
R7	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R8	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R9	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R10	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R11	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R12	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R13	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R14	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R15	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R16	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R17	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R18	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R20	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R21	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R22	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R23	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R25	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R26	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R27	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R28	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R29	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R30	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R31	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R32	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R33	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R34	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R36	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R38	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R39	ERQ16NKR10	F.RESISTOR 0.1	1	
R40	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R41	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R42	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R43	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R44	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R45	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R46,47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R48	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R49	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R50	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R53,54	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R56	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R57	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R58	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R59	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R60	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R61	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R62,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R64	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R67	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R68	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R71	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R72	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R73	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R74	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R75	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R76	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R77,78	ERJ3GEYJ204	M.RESISTOR CH 1/16W 200K	2	
R79-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R83,84	ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	2	
R86	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R87,88	ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	2	
R90	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R92	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R93	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R94,95	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R96,97	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R98	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R99,00	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R101	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R102	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R104	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R105	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R106	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R107	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R108,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R110	ERJ3GEYJ133	M.RESISTOR CH 1/16W 13K	1	
R111,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R146,47	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
SW1	CAS-120B	SWITCH	1	
VR1	VRV0303B502	V.RESISTOR 5K	1	
VR2,R3	VRV0303B103	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VSC5316	SHIELD CASE (PWR)	1	
	VSC5317	SHIELD COVER (PWR)	1	
	XYN2+J6	SCREW	2	

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ELECTRICAL REPLACEMENT PARTS LIST

AJ-BS901P

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20818A	BS MOTHER P.C.BOARD	1	(RTL)
■ E2	VEP23518E	BS DIGITAL P.C.BOARD	1	(RTL)
■	VEP20885A	BS DIGITAL SUB P.C.BOARD	1	(RTL)FOR VEP23518E
■	VEP23533A	SETUP SUB P.C.BOARD	1	(RTL)FOR VEP23518E
■ E3	VEP24184A	BS AUDIO P.C.BOARD	1	(RTL)
■ E4	VEP21288A	BS POWER P.C.BOARD	1	(RTL)
■ E5	VEP21249A	BS AC FILTER P.C.BOARD	1	(RTL)
■ E6	VEP20819C	BS FRONT P.C.BOARD	1	(RTL)
■ E7	VEP21251A	BS POWER P.C.BOARD	1	(RTL)
■ E8	VEP24163A	BS INCOM P.C.BOARD	1	(RTL)
■ E9	VEP20840B	BS AUDIO P.C.BOARD	1	(RTL)
■ E10	VEP20833A	BS COMM P.C.BOARD	1	(RTL)
■ E11	VEP20832A	BS REAR P.C.BOARD	1	(RTL)
■ E12	VEP26248A	BS ECU LED P.C.BOARD	1	(RTL)
■ E13	VEP27214C	BS RF U P.C.BOARD	1	(RTL)
■ E2	VEP23518E	BS DIGITAL P.C.BOARD	1	(RTL)
■	VEP20885A	BS DIGITAL SUB P.C.BOARD	1	(RTL)FOR VEP23518E
■	VEP23533A	SETUP SUB P.C.BOARD	1	(RTL)FOR VEP23518E
C1	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C1	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	FOR VEP20885A
C2	ECST1AY106Z	C.CAPACITOR CH 10V 10U	1	FOR VEP20885A
C2	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C2	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C3	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	FOR VEP20885A
C4	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C4	ECST1AY106ZR	C.CAPACITOR CH 10V 10U	1	FOR VEP20885A
C5	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C7,C8	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C9	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C10	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C11	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C12,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C14	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C15,16	ECST1VY104	T.CAPACITOR CH 35V 0.1U	2	
C17	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C19	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C21	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C22,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C24	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C25-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C28,29	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C31	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C32	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C33	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C34-37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C38	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C39,40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C41	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C42	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C43	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C44,45	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C46,47	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C48-50	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C51	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C52	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C53	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C54	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C55,56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C57-59	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C60	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C61	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C62	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C63	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C64,65	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C66	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C67,68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C69	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C70	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C72,73	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C74,75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C76-78	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C79	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C80	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C81	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C82	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C83,84	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C85-87	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C88	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C89	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C90	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C91	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C92-94	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C95	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C96	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C97	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C98	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C99	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C100,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C103	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C104,05	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C106,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C108,09	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C110	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C111	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C112	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C115,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C117	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C118	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C119,20	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C121-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C128,29	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C130-32	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C133,34	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C135-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C141	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C142	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C143,44	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C145,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C147,48	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C149-51	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C152	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C153	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C154	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C155	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C156	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C157	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C158	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C159	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C162	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C163	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C164	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C165	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C166	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C167	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C168	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C170	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	1	
C171	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C172	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C173	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C174	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C175	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C177	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C178	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C179	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C180,81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C182	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C183	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C184-89	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C191	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C192,93	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C194	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C195	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C196	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C197	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C198	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C199	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C200	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	1	
C201	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C202	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C203	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C204	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C205	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C206	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C208	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C209	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	1	
C210	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C211	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C212	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C213	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C214	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C215	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C216	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C217	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C218	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	1	
C219	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C220	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C221,22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C223,24	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C225,26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C227	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C228	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C229	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C230	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C231	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C232	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C233	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C234	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C235	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C236	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C237	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C238	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	1	
C239,40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C241	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C242-45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C246	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C247	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C248	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C249	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C250	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C251	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C253	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C254	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C255	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C256	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C257	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C258	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C259	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C260	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C263	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C264	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C266	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C267	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C268	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C269	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C271	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C272	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C273	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C274	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C276	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C277	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C278	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C279	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C280	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C282	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C283	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C284	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C285	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C286	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C287	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C288	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C289	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C290	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C291,92	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	
C293-99	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C300	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C302	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C303	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C304	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C305	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C306	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C307	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C308	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C309	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C310	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C311,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C313	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C314	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C315	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C316	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C317	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C318	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C319	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C320	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C321	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C322	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C323	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C324	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C325	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C326	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C327	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C328	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C329	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C330	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C331	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C332	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C333	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C334,35	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	
C336,37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C339-41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C347	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C348	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C349	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C350	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C351	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C352,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C354	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C355	ECCF1H390JC	C.CAPACITOR 50V 39P	1	
C356	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C357-61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C362,63	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C364-66	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C367,68	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C369	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C370	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C371	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C372	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C373	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C374	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C375	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C376,77	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C378	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C379	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C380,81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C382	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C383	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C384	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C385	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C386,87	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C388	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C389	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C390-92	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C393	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C394	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C395	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C396	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C397	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C398	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C399	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C400	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C401	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C402	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C434	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C435	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C436-39	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C440	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C441	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C442	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C443	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C444	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C445	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C446	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C447	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C448	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C449,50	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C451,52	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C453-55	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	3	
D1-D3	MA152K	DIODE	3	
D4,D5	MA3047	DIODE	2	
D6-D8	MA152K	DIODE	3	
FL1-L5	F1L1H2040004	C.CAPACITOR CH 50V 0.2U	5	
IC1	C0ABBA000075	IC	1	
IC2	EPM7032AE441	IC	1	FOR VEP20885A
IC2	GS9024-CKB	IC	1	
IC3	GS9035A-CPJ	IC	1	
IC4	C1AB00001792	IC	1	
IC5	C0EBH0000053	IC	1	
IC6	C0JBAA000076	IC	1	
IC7,C8	C0JBAF000315	IC	2	
IC9	C0JBAZ000855	IC	1	
IC10	C1AB00001136	IC	1	
IC11	MN64672	IC	1	
IC12,13	M5220FP	IC	2	C0ABBB000152
IC14	MN64672	IC	1	
IC15,16	M5220FP	IC	2	C0ABBB000152

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC17	C0JBAZ000855	IC	1	
IC19,20	TC7WH125FU	IC	2	
IC21	TC7WT125FU	IC	1	
IC22	C0JBAB000007	IC	1	
IC23	MC74HC4046AF	IC	1	C0JBAZ000153
IC24	C1AB00001618	IC	1	
IC25-28	C0JBAZ000855	IC	4	
IC29	TC74ACT244F	IC	1	
IC30	C1AB00001618	IC	1	
IC31,32	TC74ACT244F	IC	2	
IC33	GF9103-CPS	IC	1	
IC34-37	C0JBAZ000855	IC	4	
IC38,39	C1AB00001618	IC	2	
IC40	ADV7122KST50	IC	1	C0FBBF000019
IC41	AD589JR	IC	1	
IC42	TC7W53FU	IC	1	
IC43	C0JBAB000007	IC	1	
IC44	AD818AR	IC	1	C0ABAB000064
IC45	TC7W53FU	IC	1	
IC46	AD818AR	IC	1	C0ABAB000064
IC47	ADV7122KST50	IC	1	C0FBBF000019
IC48	AD589JR	IC	1	
IC49	AD818AR	IC	1	C0ABAB000064
IC50,51	C0JBAZ000611	IC	2	
IC52	TL081CPS	IC	1	
IC53	TC74ACT244F	IC	1	
IC54-56	AD818AR	IC	3	C0ABAB000064
IC57	C1AB00001618	IC	1	
IC58	AN77L09M	IC	1	
IC59	XC62EP3202M	IC	1	
IC60	C0ABBA000075	IC	1	
IC61	NJM431U	IC	1	C0DBEZC00003
IC62	ADV7122KST50	IC	1	C0FBBF000019
IC63	AD589JR	IC	1	
IC64-67	AD818AR	IC	4	C0ABAB000064
IC68	AD817AR	IC	1	C0ABAB000062
IC69	AD818AR	IC	1	C0ABAB000064
IC70	TL062CPW	IC	1	
IC71	NJM1496M	IC	1	C1CB00000435
IC72	AD818AR	IC	1	C0ABAB000064
IC73	NJM1496M	IC	1	C1CB00000435
IC75-79	TC7WH125FU	IC	5	
IC80	C0JBZZ000140	IC	1	
IC81	EPC1441PC8	IC	1	C3DAKA000013
IC82	TC74ACT244F	IC	1	
IC83,84	M5220FP	IC	2	C0ABBB000152
IC85	MN64672	IC	1	
IC89	C1AB00001136	IC	1	
IC90	TC7W74FU	IC	1	
IC91	C0JBAZ000855	IC	1	
IC92	UPD6456T611Y	IC	1	C1AB00000555
IC101	C0JBAR000113	IC	1	FOR VEP23533A
IC101	TC4W53FU	IC	1	
J1	VJS3303	CONNECTOR	1	K1QZB1AA0012
L1	J0JBC0000041	FILTER	1	FOR VEP20885A
L1	J0JKC0000009	FILTER	1	
L2	ELJRE15NJF2	COIL	1	
L2	J0JBC0000041	FILTER	1	FOR VEP20885A
L3-L5	J0JKC0000009	FILTER	3	
L6-10	J0JBC0000041	FILTER	5	
L11	J0JKC0000009	FILTER	1	
L12-14	J0JBC0000041	FILTER	3	
L15,16	J0JKC0000009	FILTER	2	
L17-19	J0JBC0000041	FILTER	3	
L20-23	VLQ0163J1R5	COIL 1.5UH	4	
L24	VLQ0163J470	COIL 47UH	1	
L26	VLQ0163J330	COIL 33UH	1	G1C330J00004
L27-32	VLQ0163J1R5	COIL 1.5UH	6	
L33	J0JBC0000041	FILTER	1	
L34	VLQ0163J470	COIL 47UH	1	
L36	VLQ0163J330	COIL 33UH	1	G1C330J00004
L37,38	VLQ0163J1R5	COIL 1.5UH	2	
L39	VLQEL05F331J	COIL 330UH	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L40,41	VLQ0467J120	COIL 12UH	2	
L42	VLQ0163J560	COIL 56UH	1	
L43	VLQ0163J121	COIL 120UH	1	G1C121J00001
L44	VLQEL05F102J	COIL 1000UH	1	
L45	VLQ0163J150	COIL 15UH	1	
L46	VLQ0163J330	COIL 33UH	1	G1C330J00004
L47	VLQ0163J180	COIL 18UH	1	G1C180J00001
L48-50	J0JBC0000041	FILTER	3	
L51	NL322522T	COIL 27UH	1	
L52-61	J0JBC0000041	FILTER	10	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJP4395D007	CONNECTOR (MALE)	1	
P2	VJP4395D007	CONNECTOR (MALE)	1	FOR VEP20885A
Q1	UN2215	TRANSISTOR-RESISTOR	1	
Q2	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q3	2SC3734B24	TRANSISTOR	1	
Q4	2SA10220CL	TRANSISTOR	1	
Q5	2SC3734B24	TRANSISTOR	1	
Q6	2SA10220CL	TRANSISTOR	1	
Q7	2SA1461Y24	TRANSISTOR	1	
Q8	2SC3734B24	TRANSISTOR	1	
Q9	UN2111	TRANSISTOR-RESISTOR	1	
Q10,11	2SK508-B	TRANSISTOR	2	
Q12-14	2SC3734B24	TRANSISTOR	3	
Q15,16	2SB09560HL	TRANSISTOR	2	
Q17	2SD1280	TRANSISTOR	1	
Q18	2SA1461Y24	TRANSISTOR	1	
Q19,20	2SC3734B24	TRANSISTOR	2	
Q21	2SC2295-C	TRANSISTOR	1	
Q22	2SA10220CL	TRANSISTOR	1	
Q23	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q24	2SC2295-C	TRANSISTOR	1	
Q25,26	2SC3734B24	TRANSISTOR	2	
Q27	2SC2295-C	TRANSISTOR	1	
Q28,29	2SC3734B24	TRANSISTOR	2	
Q30	2SC2295-C	TRANSISTOR	1	
Q31	2SA10220CL	TRANSISTOR	1	
Q32	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q33	2SC2295-C	TRANSISTOR	1	
Q34	UN2215	TRANSISTOR-RESISTOR	1	
Q35	2SD0601ARL	TRANSISTOR	1	
Q36	UN2215	TRANSISTOR-RESISTOR	1	
R1	ERJ3GEY103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP20885A
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R2	ERJ3GEY102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR VEP20885A
R2	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3	ERJ3GEY102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR VEP20885A
R3	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4	ERJ3GEY102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR VEP20885A
R4	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R5	ERJ3GEY102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR VEP20885A
R5	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R6	ERJ3GEY102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR VEP20885A
R6	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R7	ERJ3GEY102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR VEP20885A
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8	ERJ3GEY102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR VEP20885A
R8	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R9	ERJ3GEY102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR VEP20885A
R9	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R9-11	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	3	
R12	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R13,14	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R15	ERJ3GEYJ361	M.RESISTOR CH 1/16W 360	1	
R16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R17	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R19	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R20	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R21,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R23,24	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R25-32	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	8	
R33-40	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	8	
R41-48	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	8	
R49-52	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R53-56	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R57	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R58	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R59	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R60	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R61	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R62	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R63	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R64	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R65	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R66	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R67	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R68	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R69	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R70	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R72	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R73	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R74-93	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	20	
R94,95	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R96,97	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R99	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP23533A
R101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R101	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R102	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	FOR VEP23533A
R102	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R102	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R103	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP23533A
R103	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R103	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R104	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	FOR VEP23533A
R104	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R104	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R105	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R105	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	FOR VEP23533A
R105	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R106	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R107,08	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R109,10	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R111	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R113	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R114	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R116	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R118	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R119	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R120	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R121	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R122	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R123	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R125	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R126	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R127,28	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R129,30	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R131	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R132	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R134	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R135	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R136	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R137	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R138	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R139	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R141	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R142	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R143	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R144	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R145	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R146	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R147	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R148	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R149	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R150-52	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R153	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R154	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R155	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R156	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R157	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R158	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R159	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R160	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R161	ERJ3GEYJ113	M.RESISTOR CH 1/16W 11K	1	
R162	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R163	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R164	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R165	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R166,67	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	2	
R168	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R169,70	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R171,72	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R173	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R175	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R176	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R177	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R178	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R179	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R180	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R181,82	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R183,84	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R187	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R188	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R189	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R190	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R191	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R192	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R193	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R194,95	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R196,97	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R198	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R200	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R201	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R202	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R203	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R204	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R205	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R206,07	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R208	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R209	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R210,11	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R214	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R215	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R216	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R217	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R218	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220-22	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R224	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R225	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R226	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R227	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R228	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R229	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R231	ERJ3RBD623	M.RESISTOR CH 1/16W 62K	1	
R232	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R233	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R234	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R235	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R236	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R237	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R238	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R239	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R241	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R243	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R244	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R246	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R247,48	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R249	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R251	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R252,53	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R254	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R256	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R257,58	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R259	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R260	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R261	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R263	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R264	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R266-68	ERJ6RED750	M.RESISTOR CH 1/10W 75	3	
R269	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R270	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R271	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R272	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R273	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R274	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R275	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R276	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R277	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R278	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R279	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R280	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R281	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R282	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R283	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R284	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R285	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R286	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R288	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R289	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R290	ERJ3GEYJ361	M.RESISTOR CH 1/16W 360	1	
R291	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R292	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R293	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R294	ERSA39J102	M.RESISTOR 1/8W 1K	1	
R295	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R296	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R297,98	ERJ3RBD621	M.RESISTOR CH 1/16W 620	2	
R299	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R300	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R301	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R302	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R303	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R304	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R305	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R306	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R307	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R310	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R311	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R312	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R313	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R314	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R315	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R316	ERJ3GEYJ132	M.RESISTOR CH 1/16W 1.3K	1	
R317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R319	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R321	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R322	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R323	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R324	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R325	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R326	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R327	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R328	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R330	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R331	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R332	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R333	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R334	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R335	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R347	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R348	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R349	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R350	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R351	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R352	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R353	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R354	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R355	ERJ3GEYJ913	M.RESISTOR CH 1/16W 91K	1	
R356-60	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R361	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R362-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R368	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R369-72	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	4	
R373-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R376	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R377	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R378	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R379-82	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	4	
R383-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R386	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R407	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R408	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R409	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R410	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R412,13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R414	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R415,16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R417	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R419-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	38	
R457-59	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	3	
SW1	CAS-120B	SWITCH	1	
SW2	VSS0367-08B	SWITCH	1	
SW3	CAS-120B	SWITCH	1	
TP1-P3	EYF6CU	TEST POINT	3	
VC1	ECV1ZW30X53	TRIMMER	1	
VR1,R2	VRV0303B501	V.RESISTOR 500	2	
VR3,R4	VRV0303B103	V.RESISTOR 10K	2	
VR5-R7	VRV0303B501	V.RESISTOR 500	3	
VR8	VRV0303B502	V.RESISTOR 5K	1	
VR9-15	VRV0303B501	V.RESISTOR 500	7	
VR16	VRV0303B202A	V.RESISTOR 2K	1	D3EC3202A002
VR17	VRV0303B102	V.RESISTOR 1K	1	
VR19	VRV0303B203A	V.RESISTOR 20K	1	D3EC3203A002
VR20	VRV0303B103	V.RESISTOR 10K	1	
VR22	VRV0303B203A	V.RESISTOR 20K	1	D3EC3203A002
X1	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
		MISCELLANEOUS		
	VML3560	CARD PULLER	1	
	XSB2+6FX	SCREW	2	
■ E3	VEP24184A	BS AUDIO P.C.BOARD	1	(RTL)
C1,C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C20,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C23-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C28	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C29-35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C36-38	EEVHB1E101P	E.CAPACITOR 25V 100U	3	
C39,40	ECST1VV106R	T.CAPACITOR CH 35V 10U	2	
C41	EEVHB1E101P	E.CAPACITOR 25V 100U	1	
C42,43	ECST1VV106R	T.CAPACITOR CH 35V 10U	2	
C44	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C45,46	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C47	ECST1CC336R	T.CAPACITOR CH 16V 33U	1	
C48	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C49,50	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C51	ECST1CC336R	T.CAPACITOR CH 16V 33U	1	
C52,53	ECST1VV106R	T.CAPACITOR CH 35V 10U	2	
C54	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C64	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C67	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C68,69	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	2	
C70,71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C100-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	25	
C125,26	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C127-29	ECST1VY224Z	T.CAPACITOR CH 35V 0.22U	3	
C130,31	ECST1CY475	T.CAPACITOR CH 16V 4.7U	2	
C132-34	ECST1CX106Z	T.CAPACITOR CH 16V 10U	3	
C135	ECST1VV106R	T.CAPACITOR CH 35V 10U	1	
C136	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C137,38	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C139	ECST1VV106R	T.CAPACITOR CH 35V 10U	1	
C140	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C141	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C142-44	ECST1VV106R	T.CAPACITOR CH 35V 10U	3	
C200-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C207	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C208,09	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C210-12	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	3	
C213	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C214,15	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C216,17	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C218-21	ECST1VV106R	T.CAPACITOR CH 35V 10U	4	
C222,23	ECST1EC106	T.CAPACITOR CH 25V 10U	2	
C300	EEVHP1A100	E.CAPACITOR 10V 10U	1	
C301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C302	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C304,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C309	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C310	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C312-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C321	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C323	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C324	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C326	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C328-30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C332	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C333	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C334,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C337	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C338	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C339	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C340,41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C342	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C343	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C344-47	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C348	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C400,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C402	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C403,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C405	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C406	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C408	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C409	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C410,11	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C412	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C413	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C414	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C415	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C416	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C417	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C418	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C419-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C422	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C423,24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C425	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C426-28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C429	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C430	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C432	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C433	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C435	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C437-41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C442	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C444	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C445-49	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C450	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C451	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C452	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C454	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C455	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C456	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C457	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C458	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C459	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C460,61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C462	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C500-10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C511-15	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	5	
C516,17	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C518,19	ECST1EY155	T.CAPACITOR CH 25V 1.5U	2	
C520	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C521-24	ECST1CC336R	T.CAPACITOR CH 16V 33U	4	
C525	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C600-04	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	5	
C605	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C606-15	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	10	
C616	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C617	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C618,19	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	2	
C620,21	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C622	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C623	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C624,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C626	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C628	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C629	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C630	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C631-33	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	3	
C634	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C635	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C636	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C637	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C638	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C639-41	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	3	
C642,43	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C644	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C645	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C646,47	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C648,49	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	2	
D1	MA142WA	DIODE	1	
D100-04	MA3047M	DIODE	5	
D200-03	EC11FS2	DIODE	4	B0HCMM000005
D300	MA8024	DIODE	1	
D302	MA8024	DIODE	1	
D304	MA3J14300L	DIODE	1	
D305	MA142K	DIODE	1	
D400	MA8024	DIODE	1	
D401	MA3J14300L	DIODE	1	
D402	MA8024	DIODE	1	
D403	MA3J14300L	DIODE	1	
D500-10	MA152K	DIODE	11	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D600,01	MA8024	DIODE	2	
IC1	NJM4558M	IC	1	C0ABBB000044
IC2-C4	NJM4560MD	IC	3	C0ABBB000116
IC5,C6	NJM4558M	IC	2	C0ABBB000044
IC7	MC14053BF	IC	1	C0JBAR000023
IC8	NJM4558M	IC	1	C0ABBB000044
IC9	MC14053BF	IC	1	C0JBAR000023
IC10-12	TL062CPW	IC	3	
IC100	ZUS1R51212	IC	1	
IC101	C0EBH0000241	IC	1	
IC102	C0EBE0000211	IC	1	
IC103	C0EBB0000062	IC	1	
IC104	C0JBCA000066	IC	1	
IC105	C0JBAA000261	IC	1	
IC106	C0ABBA000075	IC	1	
IC107	C0CABGG00004	IC	1	
IC108	TL062CPW	IC	1	
IC109	C0ABBA000075	IC	1	
IC110	C0CAAGG00010	IC	1	
IC111	NJM431U	IC	1	C0DBEZC00003
IC201	NJM4558M	IC	1	C0ABBB000044
IC202	NJM4560MD	IC	1	C0ABBB000116
IC203	NJM4558M	IC	1	C0ABBB000044
IC204	NJM4560MD	IC	1	C0ABBB000116
IC205,06	NJM4558M	IC	2	C0ABBB000044
IC207,08	C0JBAZ001529	IC	2	
IC209	C0JBAB000007	IC	1	
IC300	C0JBAA000174	IC	1	
IC301	C0JBAZ001605	IC	1	
IC303	C1AB00000234	IC	1	
IC304	NJM082BV	IC	1	
IC306	TC7W53FU	IC	1	
IC308	TLC272CPW	IC	1	C0ABHA000022
IC309	C0JBAM000045	IC	1	
IC310	XC62FP3002P	IC	1	
IC311	C0JBAB000422	IC	1	
IC312,13	C0JBCA000066	IC	2	
IC314	C0JBAA000261	IC	1	
IC400-02	C0JBCA000066	IC	3	
IC403	C0JBAZ001529	IC	1	
IC404	XC62FP3302M	IC	1	
IC405	TC7W53FU	IC	1	
IC406	C0JBAZ001605	IC	1	
IC407	C0JBAZ001529	IC	1	
IC408	TC7W53FU	IC	1	
IC409	C0JBAZ001605	IC	1	
IC410	NJM082BV	IC	1	
IC411	C0JBAC000310	IC	1	
IC412	TC7W53FU	IC	1	
IC413,14	NJM082BV	IC	2	
IC416	NJM082BV	IC	1	
IC417	TC7W53FU	IC	1	
IC418	C0JBAB000350	IC	1	
IC420	XC62FP3302M	IC	1	
IC421	C0JBAB000350	IC	1	
IC500	LTC1446CS8	IC	1	
IC501	TC74HC4053AF	IC	1	C0JBAR000130
IC502,03	SN75C1168NS	IC	2	
IC504	TC74HC4053AF	IC	1	C0JBAR000130
IC505	HD64F3048F16	IC	1	C2CBHF000009
IC506	C0JBAA000076	IC	1	
IC507	C3ZBD0000004	IC	1	
IC508	C0JBAZ000855	IC	1	
IC509	AN90B20S	IC	1	
IC600	C1ZBZ0001555	IC	1	
IC601	C0JBAZ000854	IC	1	
IC602	C0JBAA000261	IC	1	
IC603	C1ZBZ0001836	IC	1	
IC604	C0JBCA000066	IC	1	
IC605	C0JBAZ001605	IC	1	
IC606	NJM082BV	IC	1	
IC607	C0JBAB000350	IC	1	
IC608	C0JBAZ001120	IC	1	
IC609	C0JBAB000350	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC610	C0JBAR000353	IC	1	
IC611	C0JBCA000066	IC	1	
ID505	VVVSI4185A	SOFTWARE	1	DOWNLOAD ONLY
ID600	VVVSI4186	SOFTWARE	1	DOWNLOAD ONLY
L1,L2	VLQ0319K470	COIL 47UH	2	G1C470K00013
L100,01	J0JBC0000019	FILTER	2	
L102,03	G1C101K00022	COIL 100UH	2	
L104	VLQ0319K100	COIL 10UH	1	G1C100K00023
L105-07	G1C101K00022	COIL 100UH	3	
L200,01	J0JBC0000041	FILTER	2	
L202,03	VLQ0319K470	COIL 47UH	2	G1C470K00013
L300	G1C101K00022	COIL 100UH	1	
L301,02	J0JBC0000019	FILTER	2	
L304,05	J0JBC0000019	FILTER	2	
L306	G1C101K00022	COIL 100UH	1	
L307-10	J0JBC0000019	FILTER	4	
L400-02	J0JBC0000019	FILTER	3	
L403	VLQ0163J470	COIL 47UH	1	
L404-07	J0JBC0000019	FILTER	4	
L408	G1C221J00003	COIL 220UH	1	
L409,10	J0JBC0000019	FILTER	2	
L411	G1C221J00003	COIL 220UH	1	
L412	J0JBC0000019	FILTER	1	
L414-16	J0JBC0000019	FILTER	3	
L417	G1C101K00022	COIL 100UH	1	
L418,19	J0JBC0000019	FILTER	2	
L421	G1C101K00022	COIL 100UH	1	
L422	J0JBC0000019	FILTER	1	
L500	J0JBC0000019	FILTER	1	
L501	J0JBC0000041	FILTER	1	
L502	J0JBC0000019	FILTER	1	
L503	J0JBC0000041	FILTER	1	
L504	J0JBC0000019	FILTER	1	
L505	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
L506	J0JBC0000041	FILTER	1	
L507	J0JBC0000019	FILTER	1	
L600,01	J0JBC0000019	FILTER	2	
L602	G1C101K00022	COIL 100UH	1	
L603	J0JBC0000041	FILTER	1	
L604-06	J0JBC0000019	FILTER	3	
L607	J0JBC0000041	FILTER	1	
L608-10	J0JBC0000019	FILTER	3	
L611	VLQ0163J470	COIL 47UH	1	
L612,13	J0JBC0000019	FILTER	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	K1MN20A00036	CONNECTOR	1	
P3	K1KA08B00147	CONNECTOR (FEMALE)	1	
PC200,01	B3PBA0000038	PHOTO ISOLATION	2	
Q100-03	2SB956-R	TRANSISTOR	4	
Q104	2SD1280	TRANSISTOR	1	
Q200,01	2SD1280	TRANSISTOR	2	
Q300	2SD1819A-R	TRANSISTOR	1	
Q301	2SA1532-B	TRANSISTOR	1	
Q400	2SB1218A-R	TRANSISTOR	1	
Q401,02	2SD1819A-R	TRANSISTOR	2	
Q600	2SD1819A-R	TRANSISTOR	1	
QR201	UN2215	TRANSISTOR-RESISTOR	1	
QR600	UN2212	TRANSISTOR-RESISTOR	1	UNR2212
R1	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R2,R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6,R7	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
R8	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R10	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R20,21	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R24	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R25	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R26,27	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R29	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R30,31	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R33	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R37	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R38	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R39,40	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R45	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R46	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R49	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R50	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R51	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R56	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R59	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R63	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R66	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R67,68	ERJ3GEYJ113	M.RESISTOR CH 1/16W 11K	2	
R70	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R71	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R76	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R82	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R83	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R88	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R90,91	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R95-98	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	4	
R99	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R104,05	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	2	
R106	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R107	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R108	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R109-11	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	3	
R112-16	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	5	
R117	ERJ3RBD433	M.RESISTOR CH 1/16W 43K	1	
R118	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R119	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R120,21	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	2	
R122	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R124	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R126	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R128	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R129	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R132	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R133	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R134	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R135	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R136	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R137	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R138	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R139,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R141,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R143,44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R145	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R146	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R147	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R148	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R150	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R151	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R152	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R153,54	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R155	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R156	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R157,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R159	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R160,61	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R162,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R164	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R165	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R166	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R200,01	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	2	
R203	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R205,06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R207	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R208-11	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	4	
R212-15	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R216,17	ERJ3GEYJ113	M.RESISTOR CH 1/16W 11K	2	
R218	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R219	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R220,21	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R222	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R223,24	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R225	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R226	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R227	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R228,29	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R230,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R232,33	ERJ3GEYJ133	M.RESISTOR CH 1/16W 13K	2	
R234,35	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	2	
R236,37	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R238,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R240	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R241	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R242	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R243	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R244	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R245,46	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R247-50	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R251-56	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	6	
R257	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R258,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R300	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R301	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R303	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R305	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R307	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R309	ERJ3RED105	M.RESISTOR CH 1/16W 1M	1	
R311	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R313	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R315	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R319,20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R321	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R326	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R328	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R329	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R331	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R332	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R333	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R334,35	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R338	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R339	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R340	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R341	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R342	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R343	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R346	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R348	ERJ3RED105	M.RESISTOR CH 1/16W 1M	1	
R349	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R350	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R351	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R353	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R354-56	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R400	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R401	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R402	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R403	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R404	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R405	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R406	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R407	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R408	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R409,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R412	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R413	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R414	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R416	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R417	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R418	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R419	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R420,21	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	2	
R422	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R425	ERJ3RED105	M.RESISTOR CH 1/16W 1M	1	
R426	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R427	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R431	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R432,33	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R434	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R435	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R436	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R437	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R440	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R441	ERJ3RED105	M.RESISTOR CH 1/16W 1M	1	
R442,43	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R444	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R445	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R447	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R448,49	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R450	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R451	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R452,53	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R454	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R460	D4B332500001	THERMISTOR	1	
R461	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500-02	ER025CHF1500	M.RESISTOR 1/4W 150	3	
R503-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R506-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R511-13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R514	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R515-18	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R519	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R520	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R521	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R522,23	ERJ3GEYJ133	M.RESISTOR CH 1/16W 13K	2	
R524	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R525,26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R527	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R528	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R529-31	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R532	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R535	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R538,39	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R540	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R541	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R542	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R543-51	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	9	
R553	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R555	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R600-02	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R603-08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R609	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R610-17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R618	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R619-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R622	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R623	ERJ3RED105	M.RESISTOR CH 1/16W 1M	1	
R624	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R625,26	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R627,28	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R629	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R630	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R631	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R632	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R633	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R634	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R635	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R636	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R637	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R638	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R639-44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R645	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R646-50	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R652	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW1,W2	K0D123A00073	SWITCH	2	
SW3	K0D112A00075	SWITCH	1	
SW200	K0D122A00124	SWITCH	1	
SW201-04	CMS-2202A	SWITCH	4	
SW500	K0D112A00075	SWITCH	1	
SW501	VSS0367-04B	SWITCH	1	
TP300	EYF6CU	TEST POINT	1	
TP400	EYF6CU	TEST POINT	1	
TP605,06	EYF6CU	TEST POINT	2	
VR1,R2	VRV0303B103	V.RESISTOR 10K	2	
VR5	VRV0303B502	V.RESISTOR 5K	1	
VR6	VRV0303B103	V.RESISTOR 10K	1	
VR9	VRV0303B104A	V.RESISTOR 100K	1	
VR200,01	VRV0303B104A	V.RESISTOR 100K	2	
VR300	VRV0303B103	V.RESISTOR 10K	1	
VR400	VRV0303B103	V.RESISTOR 10K	1	
VR600	VRV0303B102	V.RESISTOR 1K	1	
X300	H1D2705B0001	CRYSTAL OSCILLATOR	1	
X400,01	H1C2865B0004	CRYSTAL OSCILLATOR	2	
X500	H2C160500001	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML3560	CARD PULLER	1	
	XSB2+6FX	SCREW	2	
	XNG2E	NUT	2	
	XSN3+8FXS	SCREW	2	
	XWE3D8	WASHER	2	
	XWA3B	WASHER	2	
	XNG3BS	NUT	2	
■ E8	VEP24163A	BS INCOM P.C.BOARD	1	(RTL)
C1001	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C1002	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C1003	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1004	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C1005	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1006	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C1007	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C1008	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1009	ECST1CC226Z	T.CAPACITOR CH 16V 22U	1	
C1010	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C1012	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C1013	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1014,15	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	
C1016	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
D1001	LN38GPL	DIODE	1	
D1002-04	LN28RPL	DIODE	3	
D1005,06	LN38GPL	DIODE	2	
IC1001	AN77L08M	IC	1	
IC1002	UPC4570G2	IC	1	C0ABBB000016
IC1003	AN77L08M	IC	1	
IC1004	C0ABBB000124	IC	1	
L1008,09	J0JKC0000009	FILTER	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P1001	VJP2741A020	CONNECTOR (MALE)	1	K1KA20A00056
P1002	VJP2741A006	CONNECTOR (MALE)	1	K1KA06A00212
R1001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1002	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R1003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1004,05	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R1006	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1007	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1008	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1009	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1010,11	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	2	
R1012,13	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R1014-16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1017-28	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	12	
R1029,30	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1031-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R1034	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW1001	K0E112G00027	SWITCH	1	
SW1002	CMS-2202A	SWITCH	1	
SW1003	VST0153	SWITCH	1	K0E112A00098
SW1004	K0F111A00239	SWITCH	1	
SW1005	VSP0853A003	SWITCH	1	K0F111A00238
SW1006	VST0152	SWITCH	1	K0E112A00094
VR1001	VRV0303B104A	V.RESISTOR 100K	1	
VR1002,03	VRV0118B102	V.RESISTOR 1K	2	
XD1001-06	VMX2148	LED SPACER	6	
		MISCELLANEOUS		
	VMA0M49	SWITCH ANGLE A	1	
	XWE6	WASHER	8	

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ELECTRICAL REPLACEMENT PARTS LIST

AJ-CA901EN/MC

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20816B	CAM MOTHER P.C.BOARD	1	(RTL)
■ E2	VEP23516D	CAM DIGITAL P.C.BOARD	1	(RTL)
■ E3	VEP21250B	CAM POWER P.C.BOARD	1	(RTL)
■ E4	VEP24165A	CAM ICOM P.C.BOARD	1	(RTL)
■ E5	VEP20817A	CAM RET P.C.BOARD	1	(RTL)
■ E6	VEP20A38A	CAM IF P.C.BOARD	1	(RTL)
■ E7	VEP20835A	CAM DCIN P.C.BOARD	1	(RTL)
■ E8	VEP27216A	CAM RF U P.C.BOARD	1	(RTL)
■ E9	VEP20834A	CAM RIL U P.C.BOARD	1	(RTL)
■ E1	VEP20816B	CAM MOTHER P.C.BOARD	1	(RTL)
D1	S3V60	DIODE	1	B0EAKR000020
J1	VEE0S43	CABLE	1	
L6	J0JKC0000009	FILTER	1	
L11	J0JBC0000019	FILTER	1	
L12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L13	J0JBC0000019	FILTER	1	
L14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L15	J0JBC0000019	FILTER	1	
L16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L17-21	J0JBC0000019	FILTER	5	
L22	J0JKC0000009	FILTER	1	
L23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L24	J0JBC0000019	FILTER	1	
L25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L26	J0JBC0000019	FILTER	1	
L27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L28	J0JBC0000019	FILTER	1	
L29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L30-34	J0JBC0000019	FILTER	5	
L35	J0JKC0000009	FILTER	1	
L36	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L37-40	J0JBC0000019	FILTER	4	
L41	J0JKC0000009	FILTER	1	
L42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L43,44	J0JBC0000019	FILTER	2	
L45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L46-49	J0JBC0000019	FILTER	4	
L50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L51	J0JKC0000009	FILTER	1	
L52	J0JBC0000019	FILTER	1	
L53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
P1	VJS4064N070E	CONNECTOR	1	
P2	K1KA02A00009	CONNECTOR (MALE)	1	
P3-P5	VJS4064N160E	CONNECTOR (FEMALE)	3	K1KAG0A00006
P7	VJP2824B003	CONNECTOR (MALE)	1	K1KA03B00005
P8	K1KA02A00009	CONNECTOR (MALE)	1	
P9	VJP2741A004	CONNECTOR (MALE)	1	K1KA04A00236
P10	VJP4395D002	CONNECTOR (MALE)	1	
P11	VJP4395D003	CONNECTOR (MALE)	1	
P12	VJP4395D014	CONNECTOR (MALE)	1	
P13	VJP4395D015	CONNECTOR (MALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P14	VJP4395B006	CONNECTOR (MALE)	1	
P15	VJP4395D004	CONNECTOR (MALE)	1	
P16	VJP4395D008	CONNECTOR (MALE)	1	
R1-R4	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
⚠ TH1	D4ZZ00000018	THERMISOTR	1	
■ E2	VEP23516D	CAM DIGITAL P.C.BOARD	1	(RTL)
C1	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C2	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C3	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C6	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C7-10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C11	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C12,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C14,15	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C16,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C18	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C20	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C22	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C24	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C25-28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C29	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C30,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C32,33	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	2	
C34	F2D1D3300001	T.CAPACITOR CH 20V 33U	1	
C35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C36	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C38,39	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C41	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C42,43	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C44	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C46	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C48	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C49-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C53	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C54,55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C56,57	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C58,59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C60,61	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C62-67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C68	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C69	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C70	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C71-73	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C75	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C76	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C77	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C78	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C79	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	
C80	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C82	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C83-87	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C88	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C89,90	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C91	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C92-95	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C96	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C97-99	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C100	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C101	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C102	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C103	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C104	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C105	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C106	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C107	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C108	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C109	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C110	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C111	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C112	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C114	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C115	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C116	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C117	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C119	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C120	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C121	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C122	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C123	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C124	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C125	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C126	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C127	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C128	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C129,30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C131	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C132	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C133	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C134	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C135	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C136	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C137	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C138,39	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C140	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C141,42	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C143	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C144	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C145	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C146	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C147	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C148	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C149	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C150	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C151	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C152	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C153	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C154	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C155	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C156	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C157	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C158,59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C160	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C161	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C162	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C163	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C164	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C165	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C166	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C167,68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C169	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C170,71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C172	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C173	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C174	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C175	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C176	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C177	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C178	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C179,80	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C181,82	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C183	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C184	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C185	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C186	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C187,88	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C189	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C190,91	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C192	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C193,94	F1J2E1030004	C.CAPACITOR CH350V 0.01U	2	
C195	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C196,97	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C198	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C199	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C201	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C202-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C205	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C206	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C207	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C208	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C209	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C210	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C211-13	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C214	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C215	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C216	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C217	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C218,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C220-22	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C223	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C224	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C225	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C226	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C227,28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C257,58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C261,62	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C263,64	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C265	VCEA0JAP470	C.CAPACITOR 6.3V 47P	1	F2D0J4700001
C266	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
D1,D2	MA3047	DIODE	2	
D3,D4	1SS355	DIODE	2	B0ACCK000005
D5,D6	B0JCML000002	DIODE	2	
IC1-C3	C0JBAZ000855	IC	3	
IC4	AD818AR	IC	1	C0ABAB000064
IC5	TL062CPW	IC	1	
IC6	AN8133FHQ	IC	1	
IC7	AD818AR	IC	1	C0ABAB000064
IC8	TL062CPW	IC	1	
IC9	AN8133FHQ	IC	1	
IC10	AD818AR	IC	1	C0ABAB000064
IC11	TL062CPW	IC	1	
IC12	AN8133FHQ	IC	1	
IC13	C0JBAA000115	IC	1	
IC14-18	C0JBAF000315	IC	5	
IC19	C1AB00001618	IC	1	
IC20-22	C0JBAR000168	IC	3	
IC23	TC7SH04F	IC	1	
IC24	C0JBAA000115	IC	1	
IC25,26	TL062CPW	IC	2	
IC27	TC7SH04F	IC	1	
IC28	NJM431U	IC	1	C0DBEZC00003
IC29	TL062CPW	IC	1	
IC30	C0CBABC00060	IC	1	
IC31	XC62EP3202M	IC	1	
IC32	EPM7064AE441	IC	1	
IC33	C1AB00001618	IC	1	
IC34	C0JBAZ000855	IC	1	
IC35	C0JBAZ000279	IC	1	
IC36	C0JBAA000115	IC	1	
IC37,38	TL062CPW	IC	2	
IC39	MN64672	IC	1	
IC40,41	TL062CPW	IC	2	
IC42	MN64672	IC	1	
IC43	C1AB00001136	IC	1	
IC45	C1AB00000367	IC	1	
IC46	C0JBAA000115	IC	1	
IC47	C1AB00001136	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC48	MN64672	IC	1	
IC49,50	TL062CPW	IC	2	
IC54	TC7SH04F	IC	1	
IC55	C0EBH0000053	IC	1	
IC56	C0JBAA000076	IC	1	
IP32	VSI3719	IC	1	
J1	VJS3307	CONNECTOR (FEMALE)	1	K1QZB1AB0001
L1	J0JBC0000041	FILTER	1	
L2	J0JHC0000016	FILTER	1	
L3	J0JBC0000041	FILTER	1	
L4	J0JKC0000009	FILTER	1	
L5	J0JHC0000016	FILTER	1	
L6	J0JBC0000041	FILTER	1	
L7	J0JHC0000016	FILTER	1	
L8-18	J0JBC0000041	FILTER	11	
L19	VLQ0163J470	COIL 47UH	1	
L21	VLQ0163J330	COIL 33UH	1	G1C330J00004
L22	J0JBC0000041	FILTER	1	
L23,24	ELJRE8N2JF2	COIL 8.2UH	2	
L25,26	J0JBC0000041	FILTER	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJP4395D007	CONNECTOR (MALE)	1	
Q1-Q3	2SK316-Q	TRANSISTOR	3	2SK03160Q
Q4	2SB09560HL	TRANSISTOR	1	
Q5	2SD1280	TRANSISTOR	1	
Q6	2SB09560HL	TRANSISTOR	1	
Q7-Q9	UN2215	TRANSISTOR-RESISTOR	3	
Q10	2SA1461Y24	TRANSISTOR	1	
Q11	2SD0601ARL	TRANSISTOR	1	
Q13-15	UN2215	TRANSISTOR-RESISTOR	3	
Q16	UN5212	TRANSISTOR-RESISTOR	1	
R3,R4	EXB24V473J	COMBI.R-R 47K	2	
R7,R8	EXB24V473J	COMBI.R-R 47K	2	
R11,12	EXB24V473J	COMBI.R-R 47K	2	
R15,16	EXB24V473J	COMBI.R-R 47K	2	
R19,20	EXB24V473J	COMBI.R-R 47K	2	
R21	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R22	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R23	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R25	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R26	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R28	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R29	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R30,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R33	ERJ3GEYJ623	M.RESISTOR CH 1/16W 62K	1	
R34	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R35	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R36	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R38	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R39	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R40	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R41	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R42	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R43	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R45	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R46	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R47	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R48,49	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R51	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R52	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R53	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R55	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R56	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R57	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R58	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R59	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R60	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R62	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R63	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R64	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R65,66	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R67	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R68	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R69	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R70	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R72	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R73-75	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R77	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R78	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R80	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R81	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R83	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R84	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R85	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R86	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R87	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R88	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R89,90	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R91	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R92	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R93	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R94	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R95	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R102-07	EXB24V473J	COMBI.R-R 47K	6	
R108-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R112,13	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R116	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R120,21	EXB24V473J	COMBI.R-R 47K	2	
R122,23	EXB24V101J	COMBI.R-R 100	2	
R124	EXB24V473J	COMBI.R-R 47K	1	
R126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R127	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R128	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R129	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R132	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R133	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R134	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R136	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R137	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R138	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R140-42	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R143-45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R146	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R147	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R148	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R149	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R150	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R151-53	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R154-56	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R157	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R158	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R159	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R160	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R162-64	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R165-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R168	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R169	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R170	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R171	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R172	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R173-75	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R176-78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R179	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R180-84	EXB24V101J	COMBI.R-R 100	5	
R185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R187	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R188	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R189	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R191	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R192-96	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	5	
R197-01	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	5	
R202	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R203	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R204,05	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R206,07	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	2	
R208,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R210	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R211-13	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	3	
R214	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R215,16	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R217,18	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	2	
R219,20	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R221	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R222-24	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	3	
R225	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R249	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R250	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R251	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R252	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R254,55	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R258,59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
SW1	CAS-120B	SWITCH	1	
TP1-P3	EYF6CU	TEST POINT	3	
VR1	VRV0303B500A	V.RESISTOR 50	1	
VR2	VRV0303B502	V.RESISTOR 5K	1	
VR3	VRV0303B500A	V.RESISTOR 50	1	
VR4	VRV0303B502	V.RESISTOR 5K	1	
VR5	VRV0303B500A	V.RESISTOR 50	1	
VR6	VRV0303B502	V.RESISTOR 5K	1	
X1	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
		MISCELLANEOUS		
	VSC5322	HEAT SINK	1	
	VMT1231	THERMAL CONDUCTIVE 1	1	
	XYN2+J6	SCREW	4	
	VMX3203	SPACER	2	
	VMS7112	SPACER	1	
	XYN3+K6	SCREW	1	
■ E3	VEP21250B	CAM POWER P.C.BOARD	1	(RTL)
C1	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C3	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C5	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C7	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C9	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C10	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C11	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C12	ECST0JX336	T.CAPACITOR CH6.3V 33U	1	
C13	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C16	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C17	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C18,19	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C20,21	EEUFC1V151	E.CAPACITOR 35V 150P	2	
C22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C23,24	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C25-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C28,29	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C30,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C32,33	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C34-37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C38	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C39,40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C41	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C42	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C43	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C44,45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C46	ECST1CY335ZR	T.CAPACITOR CH 16V 3.3U	1	ECST1CY335R
C47,48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C49	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C51	ECST1CC226Z	T.CAPACITOR CH 16V 22U	1	
C52	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C53,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C55	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C56-58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C60,61	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C62,63	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C65	ECST1CC226Z	T.CAPACITOR CH 16V 22U	1	
C66-70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C72	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C73,74	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C76	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C77	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C78	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C79	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C80	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C81,82	ECST1CC226Z	T.CAPACITOR CH 16V 22U	2	
C108	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C110	ECST1CC226Z	T.CAPACITOR CH 16V 22U	1	
C112,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C114,15	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C116	ECSF1AE336	T.CAPACITOR CH 10V 33U	1	
C121-26	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	6	
D1-D6	MA152WK	DIODE	6	
D7	MA3180	DIODE	1	
D8	EA60QC04F	DIODE	1	B0JDRE000002
D9	MA3062	DIODE	1	
D10	MA3180	DIODE	1	
D11	EA60QC04F	DIODE	1	B0JDRE000002
D12	MAZ306800L	DIODE	1	
D13-16	MA3047	DIODE	4	
D17	B0JCML000002	DIODE	1	
IC1	TL062CPW	IC	1	
IC2	TL1451CNS	IC	1	C0DBAMA00001
IC3	NJM431U	IC	1	C0DBEZC00003
IC4,C5	TL062CPW	IC	2	
IC6	NJM431U	IC	1	C0DBEZC00003
IC7	C0ABEB000023	IC	1	
IC8	NJM4560MD	IC	1	C0ABBB000116
IC9	MCD5223	IC	1	B3RAC0000004
IC10	C0ABBA000075	IC	1	
IC11	MCD5223	IC	1	B3RAC0000004
IC12	TL062CPW	IC	1	
IC13,14	TC4W53FU	IC	2	
IC15	C0ABEB000023	IC	1	
IC16	TC4W53FU	IC	1	
IC17	C0ABEB000023	IC	1	
IC18	NJM4560MD	IC	1	C0ABBB000116
IC29	C0ABEB000023	IC	1	
L1	VLQ0417	COIL 10UH	1	
L2	J0JKC0000009	FILTER	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3	VLQ0400	COIL	1	
L4,L5	VLQ0417	COIL 10UH	2	
L6	VLQ0400	COIL	1	
L7	J0JKC0000009	FILTER	1	
L8	VLQ0417	COIL 10UH	1	
L9,10	J0JKC0000009	FILTER	2	
L11-13	J0JBC0000041	FILTER	3	
L14	J0JKC0000009	FILTER	1	
L15	J0JBC0000041	FILTER	1	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
Q1	2SD0601ARL	TRANSISTOR	1	
Q2	UN2215	TRANSISTOR-RESISTOR	1	
Q3,Q4	2SD0601ARL	TRANSISTOR	2	
Q5	2SB0709A0L	TRANSISTOR	1	
Q6	2SJ245S	TRANSISTOR	1	
Q7	2SB0709A0L	TRANSISTOR	1	
Q8	2SD0601ARL	TRANSISTOR	1	
Q9	2SB0709A0L	TRANSISTOR	1	
Q10	2SJ245S	TRANSISTOR	1	
Q11	2SD0601ARL	TRANSISTOR	1	
Q12	2SB09560HL	TRANSISTOR	1	
Q13	2SD1280	TRANSISTOR	1	
Q14-16	2SB09560HL	TRANSISTOR	3	
R1	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R2	ERW2PKR10	W.RESISTOR 2W 0.1	1	
R3	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R4	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R5,R6	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	2	
R7	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R8	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R9	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R10	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R11	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R12	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R13	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R14	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R15	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R16	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R17	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R18	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R20	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R21	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R22	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R23	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R25	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R26	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R27	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R28	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R29	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R30	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R31	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R32	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R33	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R34	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R36	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R38	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R39	ERQ16NKR10	F.RESISTOR 0.1	1	
R40	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R41	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R42	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R43	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R44	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R45	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R46,47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R48	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R49	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R50	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R53,54	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R56	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R57	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R58	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R59	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R60	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R61	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R62,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R64	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R67	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R68	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R71	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R72	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R73	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R74	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R75	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R76	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R77,78	ERJ3GEYJ204	M.RESISTOR CH 1/16W 200K	2	
R79-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R83,84	ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	2	
R86	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R87,88	ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	2	
R90	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R92	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R93	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R94,95	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R96,97	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R98	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R99,00	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R101	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R102	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R104	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R105	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R106	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R107	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R108,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R110	ERJ3GEYJ133	M.RESISTOR CH 1/16W 13K	1	
R111,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R146,47	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
SW1	CAS-120B	SWITCH	1	
VR1	VRV0303B502	V.RESISTOR 5K	1	
VR2,R3	VRV0303B103	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VSC5316	SHIELD CASE (PWR)	1	
	VSC5317	SHIELD CASE COVER (PWR)	1	
	XYN2+J6	SCREW	2	
■ E6	VEP20A38A	CAM IF P.C.BOARD	1	(RTL)
P101	K1KAA0A00110	CONNECTOR (MALE)	1	
P102	VJP4064Q070	CONNECTOR	1	
		MISCELLANEOUS		
	XSB2+6FX	SCREW	2	

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ELECTRICAL REPLACEMENT PARTS LIST

AJ-BS901EN/MC

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20818A	BS MOTHER P.C.BOARD	1	(RTL)
■ E2	VEP23518F	BS DIGITAL P.C.BOARD	1	(RTL)
■	VEP20885A	BS DIGITAL SUB P.C.BOARD	1	(RTL)FOR VEP23518F
■ E3	VEP24184B	BS AUDIO P.C.BOARD	1	(RTL)
■ E4	VEP21288A	BS POWER P.C.BOARD	1	(RTL)
■ E5	VEP21249A	BS AD FILTER P.C.BOARD	1	(RTL)
■ E6	VEP20819C	BS FRONT P.C.BOARD	1	(RTL)
■ E7	VEP21251A	BS POWER IF P.C.BOARD	1	(RTL)
■ E8	VEP24163C	BS INCOM P.C.BOARD	1	(RTL)
■ E9	VEP20840B	BS AUDIO P.C.BOARD	1	(RTL)
■ E10	VEP20833A	BS COMM P.C.BOARD	1	(RTL)
■ E11	VEP20832A	BS REAR P.C.BOARD	1	(RTL)
■ E12	VEP26248A	BS ECU LED P.C.BOARD	1	(RTL)
■ E13	VEP27214A	BS RF U P.C.BOARD	1	(RTL)
■ E2	VEP23518F	BS DIGITAL P.C.BOARD	1	(RTL)
C1	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	FOR VEP20885A
C1	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C2	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP20885A
C2	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C3	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	FOR VEP20885A
C4	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	FOR VEP20885A
C5	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C7,C8	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C9	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C10	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C11	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C12,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C14	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C15,16	ECST1VY104	T.CAPACITOR CH 35V 0.1U	2	
C17	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C19	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C21	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C22,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C24	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C25-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C28,29	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C31	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C32	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C33	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C34-37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C38	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C39,40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C41	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C42	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C43	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C44,45	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C46,47	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C48-50	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C51	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C52	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C53	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C54	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C55,56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C57-59	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C60	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C61	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C62	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C63	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C64,65	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C66	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C67,68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C69	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C70	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C72,73	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C74,75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C76-78	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C79	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C80	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C81	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C82	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C83,84	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C85-87	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C88	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C89	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C90	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C91	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C92-94	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C95	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C96	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C97	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C98	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C99	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C100-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C104,05	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C106,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C108,09	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C110	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C111	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C112	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C115,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C117	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C118	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C119,20	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C121-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C128,29	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C130-32	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C133,34	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C135-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C141	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C142	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C143,44	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C145,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C147,48	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C149-51	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C152	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C153	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C154	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C155	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C156	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C157	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C158	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C159	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C162	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C163	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C164	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C165	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C166	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C167	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C168	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C170	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	1	
C171	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C172	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C173	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C174	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C175	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C176	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C177	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C178	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C179	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C180,81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C182	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C183	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C184-89	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C191	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C192,93	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C194	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C195	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C196	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C197	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C198	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C199	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C200	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	1	
C201	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C202	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C203	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C204	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C205	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C206	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C208	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C209	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	1	
C210	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C211	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C212	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C213	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C214	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C215	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C216	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C217	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C218	ECJ1VC1H010C	C.CAPACITOR CH 50V 1P	1	
C219	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C220	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C221,22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C223,24	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C225,26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C227	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C228	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C229	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C230	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C231	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C232	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C233	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C234	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C235	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C236	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C237	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C238	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	1	ECST1CY225R
C239,40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C241	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C242-45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C246	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C247	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C248	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C249	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C250	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C251	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C252	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C253	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C254	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C255	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C256	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C257	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C258	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C259	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C260	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C263	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C264	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C266	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C267	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C268	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C269	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C271	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C272	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C273	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C274	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C276	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C277	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C278	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C279	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C280	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C282	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C283	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C284	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C285	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C286	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C287	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C288	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C289	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C290	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C291,92	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	ECST1CY225R
C293-99	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C300	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C302	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C303	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C304	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C305	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C306	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C307	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C308	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C309	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C310	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C311,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C313	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C314	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C315	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C316	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C317	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C318	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C319	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C320	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C322	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C323	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C324	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C326	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C327	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C328	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C329	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C330	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C331	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C332	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C333	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C334,35	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	ECST1CY225R
C336,37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C338	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C339-41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C342	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C343	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C344	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C345	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C346	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C347	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C349	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C350	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C351	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C352,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C354	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C355	ECCF1H390JC	C.CAPACITOR 50V 39P	1	
C356	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C357-61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C362,63	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C364-66	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C367,68	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C369	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C370	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C371	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C372	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C373	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C374	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C375	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C376,77	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C378	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C379	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C380,81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C382	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C383	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C384	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C385	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C386,87	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C388	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C389	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C390-92	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C393	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C394	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C395	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C396	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C397	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C398	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C399	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C400	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C401	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C402	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C434	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C435	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C436-39	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C440	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C441	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C442	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C443	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C444	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C445	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C446	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C447	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C448	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C449,50	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C451,52	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C453-55	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	3	
D1-D3	MA152K	DIODE	3	
D4,D5	MA3047	DIODE	2	
D6-D8	MA152K	DIODE	3	
FL1-L5	F1L1H2040004	C.CAPACITOR CH 50V 0.2U	5	
IC1	C0ABBA000075	IC	1	
IC1,C2	EPM7032AE441	IC	2	FOR VEP20885A
IC2	GS9024-CKB	IC	1	
IC3	GS9035A-CPJ	IC	1	
IC4	C1AB00001792	IC	1	
IC5	C0EBH0000053	IC	1	
IC6	C0JBAA000076	IC	1	
IC7,C8	C0JBAF000315	IC	2	
IC9	C0JBAZ000855	IC	1	
IC10	C1AB00001136	IC	1	
IC11	MN64672	IC	1	
IC12,13	M5220FP	IC	2	C0ABBB000152
IC14	MN64672	IC	1	
IC15,16	M5220FP	IC	2	C0ABBB000152
IC17	C0JBAZ000855	IC	1	
IC19,20	TC7WH125FU	IC	2	
IC21	TC7WT125FU	IC	1	
IC22	C0JBAB000007	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC23	MC74HC4046AF	IC	1	C0JBAZ000153
IC24	C1AB00001618	IC	1	
IC25-29	C0JBAZ000855	IC	5	
IC30	C1AB00001618	IC	1	
IC31,32	TC74ACT244F	IC	2	
IC33	GF9103-CPS	IC	1	
IC34-37	C0JBAZ000855	IC	4	
IC38,39	C1AB00001618	IC	2	
IC40	ADV7122KST50	IC	1	C0FBBF000019
IC41	AD589JR	IC	1	
IC42	TC7W53FU	IC	1	
IC43	C0JBAB000007	IC	1	
IC44	AD818AR	IC	1	C0ABAB000064
IC45	TC7W53FU	IC	1	
IC46	AD818AR	IC	1	C0ABAB000064
IC47	ADV7122KST50	IC	1	C0FBBF000019
IC48	AD589JR	IC	1	
IC49	AD818AR	IC	1	C0ABAB000064
IC50,51	C0JBAZ000611	IC	2	
IC52	TL081CPS	IC	1	
IC53	TC74ACT244F	IC	1	
IC54-56	AD818AR	IC	3	C0ABAB000064
IC57	C1AB00001618	IC	1	
IC58	AN77L09M	IC	1	
IC59	XC62EP3202M	IC	1	
IC60	C0ABBA000075	IC	1	
IC61	NJM431U	IC	1	C0DBEZC00003
IC62	ADV7122KST50	IC	1	C0FBBF000019
IC63	AD589JR	IC	1	
IC64-67	AD818AR	IC	4	C0ABAB000064
IC68	AD817AR	IC	1	C0ABAB000062
IC69	AD818AR	IC	1	C0ABAB000064
IC70	TL062CPW	IC	1	
IC71	NJM1496M	IC	1	C1CB00000435
IC72	AD818AR	IC	1	C0ABAB000064
IC73,74	NJM1496M	IC	2	C1CB00000435
IC75-79	TC7WH125FU	IC	5	
IC80	C0JBZZ000140	IC	1	
IC81	EPC1441PC8	IC	1	C3DAKA000013
IC82	TC74ACT244F	IC	1	
IC83,84	M5220FP	IC	2	C0ABBB000152
IC85	MN64672	IC	1	
IC89	C1AB00001136	IC	1	
IC90	TC7W74FU	IC	1	
IC91	C0JBAZ000855	IC	1	
IC92	UPD6456T611Y	IC	1	C1AB00000555
ID81	VVVSI3721B	SOFTWARE	1	DOWNLOAD ONLY
IP1,P2	VSI3724	IC	2	
J1	VJS3303	CONNECTOR	1	K1QZB1AA0012
L1	J0JBC0000041	FILTER	1	FOR VEP20885A
L1	J0JKC0000009	FILTER	1	
L2	ELJRE15NJF2	COIL	1	
L2	J0JBC0000041	FILTER	1	FOR VEP20885A
L3-L5	J0JKC0000009	FILTER	3	
L6-10	J0JBC0000041	FILTER	5	
L11	J0JKC0000009	FILTER	1	
L12-14	J0JBC0000041	FILTER	3	
L15,16	J0JKC0000009	FILTER	2	
L17-19	J0JBC0000041	FILTER	3	
L20-23	VLQ0163J1R5	COIL 1.5UH	4	
L24	SLQDNL101JT	COIL 100UH	1	G1C101J00002
L25	VLQ0163J120	COIL 12UH	1	G1C120J00001
L26	VLQ0163J560	COIL 56UH	1	
L27-32	VLQ0163J1R5	COIL 1.5UH	6	
L33	J0JBC0000041	FILTER	1	
L34	SLQDNL101JT	COIL 100UH	1	G1C101J00002
L35	VLQ0163J120	COIL 12UH	1	G1C120J00001
L36	VLQ0163J560	COIL 56UH	1	
L37,38	VLQ0163J1R5	COIL 1.5UH	2	
L39	VLQEL05F331J	COIL 330UH	1	
L40,41	VLQ0467J120	COIL 12UH	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L42	VLQ0163J560	COIL 56UH	1	
L43	VLQ0163J121	COIL 120UH	1	G1C121J00001
L44	VLQEL05F331J	COIL 330UH	1	
L45,46	VLQ0163J150	COIL 15UH	2	
L47	VLQ0163J180	COIL 18UH	1	G1C180J00001
L48-50	J0JBC0000041	FILTER	3	
L51	NL322522T	COIL 27UH	1	
L52-61	J0JBC0000041	FILTER	10	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P1,P2	VJP4395D007	CONNECTOR (MALE)	2	FOR VEP20885A
P2	VJP4395D007	CONNECTOR (MALE)	1	
Q1	UN2215	TRANSISTOR-RESISTOR	1	
Q2	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q3	2SC3734B24	TRANSISTOR	1	
Q4	2SA10220CL	TRANSISTOR	1	
Q5	2SC3734B24	TRANSISTOR	1	
Q6	2SA10220CL	TRANSISTOR	1	
Q7	2SA1461Y24	TRANSISTOR	1	
Q8	2SC3734B24	TRANSISTOR	1	
Q9	UN2111	TRANSISTOR-RESISTOR	1	
Q10,11	2SK508-B	TRANSISTOR	2	
Q12-14	2SC3734B24	TRANSISTOR	3	
Q15,16	2SB09560HL	TRANSISTOR	2	
Q17	2SD1280	TRANSISTOR	1	
Q18	2SA1461Y24	TRANSISTOR	1	
Q19,20	2SC3734B24	TRANSISTOR	2	
Q21	2SC2295-C	TRANSISTOR	1	
Q22	2SA10220CL	TRANSISTOR	1	
Q23	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q24	2SC2295-C	TRANSISTOR	1	
Q25,26	2SC3734B24	TRANSISTOR	2	
Q27	2SC2295-C	TRANSISTOR	1	
Q28,29	2SC3734B24	TRANSISTOR	2	
Q30	2SC2295-C	TRANSISTOR	1	
Q31	2SA10220CL	TRANSISTOR	1	
Q32	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q33	2SC2295-C	TRANSISTOR	1	
Q34	UN2215	TRANSISTOR-RESISTOR	1	
Q35	2SD0601ARL	TRANSISTOR	1	
Q36	UN2215	TRANSISTOR-RESISTOR	1	
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR VEP20885A
R1	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R2	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP20885A
R2	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP20885A
R3	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP20885A
R4	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R5	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP20885A
R5	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R6-R8	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	FOR VEP20885A
R8	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R9	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP20885A
R11	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R12	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R13,14	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R15	ERJ3GEYJ361	M.RESISTOR CH 1/16W 360	1	
R16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R17	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R19	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R20	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R21,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R23,24	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R25-32	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	8	
R33-40	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	8	
R41-48	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	8	
R49-52	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R53-56	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R57	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R58	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R59	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R60	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R61	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R62	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R63	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R64	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R65	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R66	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R67	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R68	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R69	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R70	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R72	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R73	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R74-93	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	20	
R94,95	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R96,97	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R99	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R101	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R102-04	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R105	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R106	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R107,08	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R109,10	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R111	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R113	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R114	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R116	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R118	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R119	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R120	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R121	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R122	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R123	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R125	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R126	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R127,28	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R129,30	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R131	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R132	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R134	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R135	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R136	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R137	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R138	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R139	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R141	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R142	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R143	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R144	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R145	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R147	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R148	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R149	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R150-52	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R153	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R154	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R155	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R156	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R157	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R158	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R159	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R160	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R161	ERJ3GEYJ113	M.RESISTOR CH 1/16W 11K	1	
R162	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R163	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R164	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R165	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R166,67	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	2	
R168	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R169,70	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R171,72	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R173	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R175	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R176	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R177	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R178	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R179	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R180	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R181,82	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R183,84	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R187	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R188	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R189	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R190	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R191	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R192	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R193	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R194,95	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R196,97	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R198	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R200	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R201	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R202	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R203	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R204	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R205	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R206,07	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R208	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R209	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R210,11	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R214	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R215	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R216	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R217	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R218	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220-22	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R223	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R224	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R225	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R226	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R227	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R229	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R231	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R232	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R233	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R234	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R235	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R236	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R237	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R238	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R239	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R240	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	1	
R241	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R243	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R244	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R246	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R247,48	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R249	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R251	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R252,53	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R254	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R256	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R257,58	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R259	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R260	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R261	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R263	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R264	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R266-68	ERJ6RED750	M.RESISTOR CH 1/10W 75	3	
R269	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R270	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R271	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R272	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R273	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R274	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R275	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R276	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R277	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R278	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R279	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R280	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R281	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R282	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R283	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R284	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R285	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R286	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R287	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R288	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R289	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R290	ERJ3GEYJ361	M.RESISTOR CH 1/16W 360	1	
R291	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R292	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R293	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R294	ERSA39J102	M.RESISTOR 1/8W 1K	1	
R295	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R296	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R297,98	ERJ3RBD621	M.RESISTOR CH 1/16W 620	2	
R299	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R300,01	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R302	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R303	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R304	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R305	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R306	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R307	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R309	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R310	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R311	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R312	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R313	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R314	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R315	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R316	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R317	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R319	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R320	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R321	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R322	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R323	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R324	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R325	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R326	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R327	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R328	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R329	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R330	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R331	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R332	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R333	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R334	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R335	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R337	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R338	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R339	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R340	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R341	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R342	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R343	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R344-46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R348	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R349	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R350	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R351	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R352	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R353	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R354	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R355	ERJ3GEYJ913	M.RESISTOR CH 1/16W 91K	1	
R356-60	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R361	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R362-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R368	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R369-72	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	4	
R373-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R376	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R377	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R378	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R379-82	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	4	
R383-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R386	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R407	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R408	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R409	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R410	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R412,13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R414	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R415,16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R417	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R419-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	38	
R457-59	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	3	
SW1	CAS-120B	SWITCH	1	
SW2	VSS0367-08B	SWITCH	1	
SW3	CAS-120B	SWITCH	1	
TP1-P3	EYF6CU	TEST POINT	3	
VC1	ECV1ZW30X53	TRIMMER	1	
VR1,R2	VRV0303B501	V.RESISTOR 500	2	
VR3,R4	VRV0303B103	V.RESISTOR 10K	2	
VR5-R7	VRV0303B501	V.RESISTOR 500	3	
VR8	VRV0303B502	V.RESISTOR 5K	1	
VR9-15	VRV0303B501	V.RESISTOR 500	7	
VR16,17	VRV0303B102	V.RESISTOR 1K	2	
VR18	VRV0303B103	V.RESISTOR 10K	1	
VR19	VRV0303B203A	V.RESISTOR 20K	1	D3EC3203A002
VR20,21	VRV0303B103	V.RESISTOR 10K	2	
VR22	VRV0303B203A	V.RESISTOR 20K	1	D3EC3203A002
VR23	VRV0303B503	V.RESISTOR 50K	1	
VR24	VRV0303B203A	V.RESISTOR 20K	1	D3EC3203A002
X1	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
		MISCELLANEOUS		
	VML3560	CARD PULLER	1	
	XSB2+6FX	SCREW	2	
■ E3	VEP24184B	BS AUDIO P.C.BOARD	1	(RTL)
C1,C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C20,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C23-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C28	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C29-35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C36-38	EEVHB1E101P	E.CAPACITOR 25V 100U	3	
C39,40	ECST1VV106R	T.CAPACITOR CH 35V 10U	2	
C41	EEVHB1E101P	E.CAPACITOR 25V 100U	1	
C42,43	ECST1VV106R	T.CAPACITOR CH 35V 10U	2	
C44	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C45,46	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C47	ECST1CC336R	T.CAPACITOR CH 16V 33U	1	
C48	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C49,50	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C51	ECST1CC336R	T.CAPACITOR CH 16V 33U	1	
C52,53	ECST1VV106R	T.CAPACITOR CH 35V 10U	2	
C54	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C64	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C67	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C68,69	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	2	
C70,71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C100-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	25	
C125,26	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C127-29	ECST1VY224Z	T.CAPACITOR CH 35V 0.22U	3	
C130,31	ECST1CY475	T.CAPACITOR CH 16V 4.7U	2	
C132-34	ECST1CX106Z	T.CAPACITOR CH 16V 10U	3	
C135	ECST1VV106R	T.CAPACITOR CH 35V 10U	1	
C136	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C137,38	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C139	ECST1VV106R	T.CAPACITOR CH 35V 10U	1	
C140	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C141	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C142-44	ECST1VV106R	T.CAPACITOR CH 35V 10U	3	
C200-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C207	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C208,09	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C210-12	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	3	
C213	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C214,15	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C216,17	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C218-21	ECST1VV106R	T.CAPACITOR CH 35V 10U	4	
C222,23	ECST1EC106	T.CAPACITOR CH 25V 10U	2	
C300	EEVHP1A100	E.CAPACITOR 10V 10U	1	
C301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C302,03	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C304-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C308	EEVHP1A100	E.CAPACITOR 10V 10U	1	
C309	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C310,11	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	2	
C312-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C321-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C324	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C326	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C327	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C329,30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C332	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C333	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C334,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C336	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C338	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C339	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C340,41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C342	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C343	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C344-47	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C400,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C402	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C403,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C405	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C408	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C409	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C410,11	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C412	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C413	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C414	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C415	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C416	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C417	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C419	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C421	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C422	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C423,24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C426-28	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C429	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C430	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C432	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C433	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C435-41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C442	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C445-49	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C450	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C451	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C452	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C453,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C455	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C456	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C457	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C458	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C459	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C460,61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C462	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C500-10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C511-15	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	5	
C516,17	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C518,19	ECST1EY155	T.CAPACITOR CH 25V 1.5U	2	
C520	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C521-24	ECST1CC336R	T.CAPACITOR CH 16V 33U	4	
C525	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C600-04	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	5	
C605	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C606-15	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	10	
C616	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C617	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C618,19	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	2	
C620,21	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C622	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C623	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C624,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C626	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C628	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C629	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C630	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C631-33	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	3	
C634	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C635	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C636	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C637	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C638	ECHU1C103JB5	P.CAPACITOR 16V 0.01U	1	
C639-45	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	7	
C646,47	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C648,49	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	2	
D1	MA142WA	DIODE	1	
D100-04	MA3047M	DIODE	5	
D200-03	EC11FS2	DIODE	4	B0HCMM000005
D300-03	MA8024	DIODE	4	
D304	MA3J14300L	DIODE	1	
D305	MA142K	DIODE	1	
D401	MA3J14300L	DIODE	1	
D403	MA3J14300L	DIODE	1	
D500-10	MA152K	DIODE	11	
D600,01	MA8024	DIODE	2	
IC1	NJM4558M	IC	1	C0ABBB000044
IC2-C4	NJM4560MD	IC	3	C0ABBB000116
IC5,C6	NJM4558M	IC	2	C0ABBB000044
IC7	MC14053BF	IC	1	C0JBAR000023
IC8	NJM4558M	IC	1	C0ABBB000044
IC9	MC14053BF	IC	1	C0JBAR000023
IC10-12	TL062CPW	IC	3	
IC100	ZUS1R51212	IC	1	
IC101	C0EBH0000241	IC	1	
IC102	C0EBE0000211	IC	1	
IC103	C0EBB0000062	IC	1	
IC104	C0JBCA000066	IC	1	
IC105	C0JBAA000261	IC	1	
IC106	C0ABBA000075	IC	1	
IC107	C0CABGG00004	IC	1	
IC108	TL062CPW	IC	1	
IC109	C0ABBA000075	IC	1	
IC110	C0CAAGG00010	IC	1	
IC111	NJM431U	IC	1	C0DBEZC00003
IC201	NJM4558M	IC	1	C0ABBB000044

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC202	NJM4560MD	IC	1	C0ABBB000116
IC203	NJM4558M	IC	1	C0ABBB000044
IC204	NJM4560MD	IC	1	C0ABBB000116
IC205,06	NJM4558M	IC	2	C0ABBB000044
IC207,08	C0JBAZ001529	IC	2	
IC209	C0JBAB000007	IC	1	
IC300	C0JBAA000174	IC	1	
IC301,02	C0JBAZ001605	IC	2	
IC303	C1AB00000234	IC	1	
IC304,05	NJM082BV	IC	2	
IC307	TC7W53FU	IC	1	
IC308	TLC272CPW	IC	1	C0ABHA000022
IC309	C0JBAM000045	IC	1	
IC310	XC62FP3002P	IC	1	
IC311	C0JBAB000422	IC	1	
IC312,13	C0JBCA000066	IC	2	
IC314	C0JBAA000261	IC	1	
IC400-02	C0JBCA000066	IC	3	
IC403	C0JBAZ001529	IC	1	
IC404	XC62FP3302M	IC	1	
IC405	TC7W53FU	IC	1	
IC406	C0JBAZ001605	IC	1	
IC407	C0JBAZ001529	IC	1	
IC408	TC7W53FU	IC	1	
IC410	NJM082BV	IC	1	
IC411	C0JBAC000310	IC	1	
IC412	TC7W53FU	IC	1	
IC414	NJM082BV	IC	1	
IC415	NJM360M	IC	1	C0BBZB000001
IC416	NJM082BV	IC	1	
IC417	TC7W53FU	IC	1	
IC418	C0JBAB000350	IC	1	
IC419	C0JBAA000261	IC	1	
IC421	C0JBAB000350	IC	1	
IC500	LTC1446CS8	IC	1	
IC502,03	SN75C1168NS	IC	2	
IC505	HD64F3048F16	IC	1	C2CBHF000009
IC506	C0JBAA000076	IC	1	
IC507	C3ZBD0000004	IC	1	
IC508	C0JBAZ000855	IC	1	
IC509	AN90B20S	IC	1	
IC600	C1ZBZ0001555	IC	1	
IC601	C0JBAZ000854	IC	1	
IC602	C0JBAA000261	IC	1	
IC603	C1ZBZ0001836	IC	1	
IC604	C0JBCA000066	IC	1	
IC605	C0JBAZ001605	IC	1	
IC606	NJM082BV	IC	1	
IC607	C0JBAB000350	IC	1	
IC608	C0JBAZ001120	IC	1	
IC609	C0JBAB000350	IC	1	
IC610	C0JBAR000353	IC	1	
IC611	C0JBCA000066	IC	1	
L1,L2	VLQ0319K470	COIL 47UH	2	G1C470K00013
L100,01	J0JBC0000019	FILTER	2	
L102-07	G1C101K00022	COIL 100UH	6	
L200,01	J0JBC0000041	FILTER	2	
L202,03	VLQ0319K470	COIL 47UH	2	G1C470K00013
L300	G1C101K00022	COIL 100UH	1	
L301-05	J0JBC0000019	FILTER	5	
L306	G1C101K00022	COIL 100UH	1	
L307-10	J0JBC0000019	FILTER	4	
L400-02	J0JBC0000019	FILTER	3	
L403	VLQ0163J470	COIL 47UH	1	
L404-07	J0JBC0000019	FILTER	4	
L408	G1C221J00003	COIL 220UH	1	
L409,10	J0JBC0000019	FILTER	2	
L411	G1C221J00003	COIL 220UH	1	
L414-16	J0JBC0000019	FILTER	3	
L417	G1C101K00022	COIL 100UH	1	
L418,19	J0JBC0000019	FILTER	2	
L420,21	G1C101K00022	COIL 100UH	2	
L423	J0JBC0000019	FILTER	1	
L500	J0JBC0000019	FILTER	1	

Components identified with the mark ⚠ have special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L501	J0JBC0000041	FILTER	1	
L502	J0JBC0000019	FILTER	1	
L503	J0JBC0000041	FILTER	1	
L504	J0JBC0000019	FILTER	1	
L505	G1C101K00022	COIL 100UH	1	
L506	J0JBC0000041	FILTER	1	
L507	J0JBC0000019	FILTER	1	
L600,01	J0JBC0000019	FILTER	2	
L602	G1C101K00022	COIL 100UH	1	
L603	J0JBC0000041	FILTER	1	
L604-06	J0JBC0000019	FILTER	3	
L607	J0JBC0000041	FILTER	1	
L608-10	J0JBC0000019	FILTER	3	
L611	VLQ0163J470	COIL 47UH	1	
L612,13	J0JBC0000019	FILTER	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	K1MN20A00036	CONNECTOR	1	
P3	K1KA08B00147	CONNECTOR (FEMALE)	1	
PC200,01	B3PBA0000038	PHOTO ISOLATION	2	
Q100-03	2SB956-R	TRANSISTOR	4	
Q104	2SD1280	TRANSISTOR	1	
Q200,01	2SD1280	TRANSISTOR	2	
Q300	2SD1819A-R	TRANSISTOR	1	
Q301	2SA1532-B	TRANSISTOR	1	
Q400	2SB1218A-R	TRANSISTOR	1	
Q401,02	2SD1819A-R	TRANSISTOR	2	
Q600	2SD1819A-R	TRANSISTOR	1	
QR201	UN2215	TRANSISTOR-RESISTOR	1	
QR600	UN2212	TRANSISTOR-RESISTOR	1	UNR2212
R1	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R2,R3	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6,R7	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
R8	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R10	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R20,21	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R24	ERJ3RED330	M.RESISTOR CH 1/16W 33	1	
R25	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R26,27	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R29	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R30,31	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R33	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R37	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R38	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R39,40	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R45	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R46	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R49	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R50	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R51	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R56	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R59	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R63	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R66	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R67,68	ERJ3GEYJ113	M.RESISTOR CH 1/16W 11K	2	
R70	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R71	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R76	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R82	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R83	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R88	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R90,91	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R95-98	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	4	
R99	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R104,05	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	2	
R106	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R107,08	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R109-11	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	3	
R112-17	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	6	
R118	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R119	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R120,21	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	2	
R122	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R124	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R126	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R128	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R129	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R132	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R133	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R134	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R135	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R136	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R137	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R138	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R139,40	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R141,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R143,44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R145	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R146	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R147	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R148	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R149	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R150	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R151	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R152	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R153,54	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R155	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R156	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R157,58	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R159	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R160,61	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R162,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R164	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R165	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R166	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R200,01	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	2	
R203	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R205,06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R207	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R208-11	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	4	
R212-15	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R216,17	ERJ3GEYJ113	M.RESISTOR CH 1/16W 11K	2	
R218	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R219	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R220,21	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R222	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R223,24	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R225	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R226	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R227	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R228,29	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R230,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R232,33	ERJ3GEYJ133	M.RESISTOR CH 1/16W 13K	2	
R234,35	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	2	
R236,37	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R238,39	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R240	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R241	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R242	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R243	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R244	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R245,46	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R247-50	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R251-56	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	6	
R257	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R258,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R300	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R301	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R303	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R305,06	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R307	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R309,10	ERJ3RED105	M.RESISTOR CH 1/16W 1M	2	
R311,12	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R313-16	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R317-20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R321	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R322	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R324,25	ERJ3RED105	M.RESISTOR CH 1/16W 1M	2	
R326,27	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R333	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R334	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R335	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R338	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R339	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R341	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R343	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R346	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R347	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R348	ERJ3RED105	M.RESISTOR CH 1/16W 1M	1	
R349	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R350	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R351	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R353	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R354-56	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R400	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R401	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R402	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R403	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R404	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R405	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R406,07	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R408	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R409,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R412	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R413	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R414	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R416	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R418	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R419-21	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	3	
R422	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R423	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R424	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R426	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R427	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R428	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R429,30	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R432,33	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R435	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R436	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R437	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R438	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R439	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R442	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R443	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R444	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R446,47	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	2	
R448,49	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R450	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R451	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R452,53	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R454	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R500-02	ER025CHF1500	M.RESISTOR 1/4W 150	3	
R503-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R506-10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R511-13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R514	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R515-18	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	4	
R519	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R520	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R521	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R522,23	ERJ3GEYJ133	M.RESISTOR CH 1/16W 13K	2	
R524	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R525,26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R527	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R528	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R529-31	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R532	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R535	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R538,39	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R540	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R541	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R542	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R543-51	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	9	
R552	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R553	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R555	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R600-02	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	3	
R603-08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R609	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R610-17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R618	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R619-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R622	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R623	ERJ3RED105	M.RESISTOR CH 1/16W 1M	1	
R624	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R625,26	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R627,28	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R629	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R630	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R631	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R632	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R633	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R634-38	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	5	
R639-44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R645	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R646-50	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R651	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW1,W2	K0D123A00073	SWITCH	2	
SW3	K0D112A00075	SWITCH	1	
SW200	K0D122A00124	SWITCH	1	
SW201-04	CMS-2202A	SWITCH	4	
SW500	K0D112A00075	SWITCH	1	
SW501	VSS0367-04B	SWITCH	1	
TP300	EYF6CU	TEST POINT	1	
TP400	EYF6CU	TEST POINT	1	
TP605,06	EYF6CU	TEST POINT	2	
VR1,R2	VRV0303B103	V.RESISTOR 10K	2	
VR5	VRV0303B502	V.RESISTOR 5K	1	
VR6	VRV0303B103	V.RESISTOR 10K	1	
VR9	VRV0303B104A	V.RESISTOR 100K	1	
VR200,01	VRV0303B203A	V.RESISTOR 20K	2	D3EC3203A002
VR400,01	VRV0303B103	V.RESISTOR 10K	2	
VR600	VRV0303B102	V.RESISTOR 1K	1	
X300	H1D2705B0001	CRYSTAL OSCILLATOR	1	
X400	H1C3545B0001	CRYSTAL OSCILLATOR	1	
X402	VC-TCXO-125C	CRYSTAL OSCILLATOR	1	
X500	CSACV16.00MX	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML3560	CARD PULLER	1	
	XSB2+6FX	SCREW	2	
	XNG2E	NUT	2	
	XSN3+8FXS	SCREW	2	
	XWE3D8	WASHER	2	
	XWA3B	WASHER	2	
	XNG3BS	NUT	2	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E4	VEP21288A	BS POWER P.C.BOARD	1	(RTL)
C1	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C2	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3	ECST1VD106	E.CAPACITOR 35V 10M	1	
C4	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C5	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C8	ECST0JC336	T.CAPACITOR CH6.3V 33U	1	
C9	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C10	ECST1CC336R	T.CAPACITOR CH 16V 33U	1	
C11	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C12	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C13	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C14	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C15	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C16	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C17	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C18	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C19-21	VCEA1AAP221	E.CAPACITOR 10V 220U	3	F2D1A2210001
C23	F2D1D121A002	E.CAPACITOR 20V 120U	1	
C24	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C25-27	VCEA1AAP221	E.CAPACITOR 10V 220U	3	F2D1A2210001
C30,31	ECQE2104KF	P.CAPACITOR 250V 0.1U	2	
C32	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C33	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C34	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C35	ECST0JC336	T.CAPACITOR CH6.3V 33U	1	
C36	ECST1CC336R	T.CAPACITOR CH 16V 33U	1	
C37	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C38	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C40	F2D1D121A002	E.CAPACITOR 20V 120U	1	
C41	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C42-44	VCEA1AAP221	E.CAPACITOR 10V 220U	3	F2D1A2210001
C45	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C47	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C48	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C49-51	VCEA1AAP221	E.CAPACITOR 10V 220U	3	F2D1A2210001
C52	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C53	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C54	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C55-57	EEUFC1V151	E.CAPACITOR 35V 150P	3	
C59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C65	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C66,67	ECST1VD106	E.CAPACITOR 35V 10M	2	
C68	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C69,70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C72	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C73,74	ECST1VD106	E.CAPACITOR 35V 10M	2	
C75	ECUX1A105KBV	C.CAPACITOR CH 10V 1U	1	
C76,77	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C79-81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C82	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C83,84	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C85	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C99	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C112,13	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C114	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C115,16	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C201,02	ECST1EX475	T.CAPACITOR CH 25V 4.7U	2	
C203,04	EEVHB1V220P	E.CAPACITOR 35V 22U	2	
C207-09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C210-12	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	3	
C213,14	F1BAH4720010	C.CAPACITOR 4700P	2	
C215	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C219-21	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	3	
C224	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1,D2	NSD03A20	DIODE	2	
D3-D8	MA152WK	DIODE	6	
D9	MA3180	DIODE	1	
D10	EA60QC04F	DIODE	1	B0JDRE000002
D11	MAZ30560HL	DIODE	1	
D12	MA152WK	DIODE	1	
D13	MA3180	DIODE	1	
D14	EA60QC04F	DIODE	1	B0JDRE000002
D15	MAZ30560HL	DIODE	1	
D16	MA3180	DIODE	1	
D17	EA60QC04F	DIODE	1	B0JDRE000002
D18	MA3062-H	DIODE	1	MAZ30620HL
D19	MA3180	DIODE	1	
D20	EA60QC04F	DIODE	1	B0JDRE000002
D21	MAZ306800L	DIODE	1	
D22	MA2P29100L	DIODE	1	
D23	B0JCML000002	DIODE	1	
D24	MA2P29100L	DIODE	1	
D25-28	MA152K	DIODE	4	
D29	MA2P29100L	DIODE	1	
D30,31	MA152K	DIODE	2	
D32	NSD03A20	DIODE	1	
D33,34	MA152K	DIODE	2	
D201,02	MA152K	DIODE	2	
⚠ F1,F2	K5D502BK0002	FUSE	2	
FH1-H4	EYF52BC	FUSE HOLDER	4	
IC1,C2	VI-J04-CY	IC	2	
IC3	C0ABEB000062	TL062CPWR	1	
IC4,C5	TL1451CNS	IC	2	C0DBAMA00001
IC6	LM2577MX-ADJ	IC	1	C0CAAZH00001
IC8	UPC4560G	IC	1	
IC9	NJM555M	IC	1	C1ZBZ0000794
IC10,11	C0BBBA000019	IC	2	
IC12	C0JBAD000156	IC	1	
IC13,14	C0JBAA000099	IC	2	
IC15,16	C0BBBA000019	IC	2	
IC17	C0JBAD000156	IC	1	
IC18,19	C0JBAA000099	IC	2	
IC20	AN90B20S	IC	1	
IC21	AD22105AR	IC	1	C0ZBZ0000157
IC22	C0JBAQ000139	IC	1	
IC23	TC7S02F	IC	1	C0JBAD000065
IC24	AN7712SP	IC	1	
IC25,26	C0JBAZ000514	IC	2	
IC201,02	C0ABEB000062	IC	2	
IC203	TC7S04F	IC	1	C0JBAB000169
JP1	VMP5283	EARTH LUG	1	
L1	VLQ0297	COIL	1	
L2	J0JKC0000009	FILTER	1	
L3	VLQ0642	COIL	1	
L4,L5	VLQ0297	COIL	2	
L6	J0JKC0000009	FILTER	1	
L7	VLQ0642	COIL	1	
L8	VLQ0297	COIL	1	
L9,10	G0B352G00003	COIL 3500UH	2	
L11	VLQ0297	COIL	1	
L12	J0JKC0000009	FILTER	1	
L13	VLQ0642	COIL	1	
L14-16	VLQ0297	COIL	3	
L17	VLQ0642	COIL	1	
L18	J0JKC0000009	FILTER	1	
L19	VLQ0297	COIL	1	
L20	J0JKC0000009	FILTER	1	
L21	VLQ0297	COIL	1	
L22	J0JKC0000009	FILTER	1	
L23	VLQ0622	COIL	1	
L24	VLQ0297	COIL	1	
L25	J0JKC0000009	FILTER	1	
L26-30	J0JBC0000019	FILTER	5	
L37-42	J0JBC0000019	FILTER	6	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L44	J0JKC0000009	FILTER	1	
L51-59	J0JBC0000019	FILTER	9	
L60	J0JKC0000009	FILTER	1	
L61	J0JBC0000019	FILTER	1	
L62	J0JKC0000009	FILTER	1	
P1	VJP4396B002	CONNECTOR (MALE)	1	
P2	VJP2073	CONNECTOR (MALE)	1	K1KA02A00104
P3	VJP2741B004	CONNECTOR (MALE)	1	K1KA04B00125
P4	K1KA20B00029	CONNECTOR (MALE)	1	
P5	VJP2741A016	CONNECTOR (MALE) 16P	1	K1KA16A00139
P6	VJP2741A022	CONNECTOR (MALE)	1	K1KA22A00041
P10	VJP2739A002	CONNECTOR (MALE)	1	K1KA02A00225
P11	VJP2739A003	CONNECTOR (MALE)	1	K1KA03A00209
Q1	2SD0601ARL	TRANSISTOR	1	
Q2	UN2215	TRANSISTOR-RESISTOR	1	
Q3,Q4	2SD0601ARL	TRANSISTOR	2	
Q5	2SB0709A0L	TRANSISTOR	1	
Q6,Q7	2SJ245S	TRANSISTOR	2	
Q8	2SB0709A0L	TRANSISTOR	1	
Q9	2SD0601ARL	TRANSISTOR	1	
Q10	2SB0709A0L	TRANSISTOR	1	
Q11,12	2SJ245S	TRANSISTOR	2	
Q13	2SB0709A0L	TRANSISTOR	1	
Q14	2SD0601ARL	TRANSISTOR	1	
Q15	2SB0709A0L	TRANSISTOR	1	
Q16,17	2SJ245S	TRANSISTOR	2	
Q18	2SB0709A0L	TRANSISTOR	1	
Q19	2SD0601ARL	TRANSISTOR	1	
Q20	2SB0709A0L	TRANSISTOR	1	
Q21,22	2SJ245S	TRANSISTOR	2	
Q23	UN2211	TRANSISTOR-RESISTOR	1	
Q24	2SB09560HL	TRANSISTOR	1	
Q25	2SD1280	TRANSISTOR	1	
R2	ER025CHF3303	M.RESISTOR 1/4W 330K	1	
R3	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R4	ER025CHF3303	M.RESISTOR 1/4W 330K	1	
R5	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R6	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R7	ERW2PKR10	W.RESISTOR 2W 0.1	1	
R8	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R9	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R10,11	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	2	
R12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R13	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R14	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R15	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R16	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R17	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R18	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R19	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R20	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R21	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R22	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R23	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R24	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R25	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R26	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R27	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R29	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R30	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R31	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R33	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R34	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R35	ERJ3RBD623	M.RESISTOR CH 1/16W 62K	1	
R36	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R37	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R38	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R39	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R40	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R41	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R42	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R43	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R44	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R45	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R46	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R47	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R48	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R49	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R50	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R51	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R52	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R53	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R54	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R55	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R56	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R57	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R58	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R60	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R61,62	ER025CHF5102	M.RESISTOR 1/4W 51K	2	
R65	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R66	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R67	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R68	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R69	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R71	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R72	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R73	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R74	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R75	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R76	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R77	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R78	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R79	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R80	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R81	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R82	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R83	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R85	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R86	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R87	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R88	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R89	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R90	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R91-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R94	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R95	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R96,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R102	ER025CHF1001	M.RESISTOR 1/4W 1K	1	
R103	ERJ6RBD513	M.RESISTOR CH 1/10W 51K	1	
R104	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	1	
R105,06	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R107	ERJ6RBD203	M.RESISTOR CH 1/10W 20K	1	
R108,09	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R110,11	ERJ6RBD152	M.RESISTOR CH 1/10W 1.5K	2	
R112	ER025CHF5102	M.RESISTOR 1/4W 51K	1	
R113	ERJ3GEYJ913	M.RESISTOR CH 1/16W 91K	1	
R114	ER025CHF5102	M.RESISTOR 1/4W 51K	1	
R115	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R116	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R117	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R118	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R119	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R120	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R121,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R125	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R126,27	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R128,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R130	ER025CHF5102	M.RESISTOR 1/4W 51K	1	
R131	ERJ3GEYJ913	M.RESISTOR CH 1/16W 91K	1	
R132	ER025CHF5102	M.RESISTOR 1/4W 51K	1	
R133	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R134	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R135	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R136	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R137	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R138	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R139,40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R143	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R144,45	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R146-49	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R150	ERJ6RBD203	M.RESISTOR CH 1/10W 20K	1	
R152-60	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	9	D0GB103JA002
R161,62	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R164,65	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R166	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R167	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R168,69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R170	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R171	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R172	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R201,02	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R203,04	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R215,16	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	2	
R217	ERDS2TJ224	C.RESISTOR 1/4W 220K	1	
R218,19	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
R222	ERJ12Y0R00	M.RESISTOR CH 1/2W 0	1	
⚠ RY1	VSY1033	RELAY	1	K6B1CGA00047
⚠ TH1	D4FB1R100001	THERMISTOR	1	
⚠ TH2	VRT0152400	THERMISTOR	1	D4ZZ00000004
⚠ TH3	D4FB1R100001	THERMISTOR	1	
VR1	VRV0062B502	V.RESISTOR 5K	1	D3CA45020003
		MISCELLANEOUS		
	VEE0M78	CABLE	1	
	VMT1263	THERMAL PAD	2	
⚠	VMZ0429	FUSE COVER	2	
	VEE4445	EARTH CABLE C	1	
■ E6	VEP20819C	BS FRONT P.C.BOARD	1	(RTL)
C1	ECA1EHG101	E.CAPACITOR 25V 100U	1	
C2	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3	ECA1CHG471	C.CAPACITOR 16V 470U	1	
C4,C5	ECST1EY155	T.CAPACITOR CH 25V 1.5U	2	
C6	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C7,C8	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C9	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C10,11	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C13	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C15	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C16-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C19	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C20,21	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C22-31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C32	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C33-35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C36	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
D1	B0JCML000002	DIODE	1	
D2-D4	MA152K	DIODE	3	
D6,D7	LN28RPL	DIODE	2	
D8	LN38GPL	DIODE	1	
D9	LN48YPL	DIODE	1	
D10,11	LN38GPL	DIODE	2	
D12-14	MA714	DIODE	3	
IC1	NJM2360M	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC2	AN77L05M	IC	1	
IC3	SN75C1168NS	IC	1	
IC4	AK6440AF	IC	1	
IC5	C0JBAZ000279	IC	1	
IC6	HD64F3048F16	IC	1	C2CBHF000009
IC7	AN90B20S	IC	1	
IC8	TC7W53FU	IC	1	
IC9	C0JBAR000023	IC	1	
IC10	C0JBAA000076	IC	1	
IC11	C0EBH0000053	IC	1	
IC12,13	M66311FP	IC	2	C0HBZ0000021
ID6	VVVSI4184	SOFTWARE	1	DOWNLOAD ONLY
L1,L2	J0JKC0000009	FILTER	2	
L3	VLQ0797221K	COIL 220UH	1	G0A221EA0002
L4-L7	J0JBC0000019	FILTER	4	
L8-12	J0JBC0000041	FILTER	5	
L13,14	J0JBC0000019	FILTER	2	
L15,16	J0JBC0000041	FILTER	2	
L17	J0JBC0000019	FILTER	1	
P1	VJP4395D010	CONNECTOR (MALE)	1	
P2	VJP2739B005	CONNECTOR (MALE)	1	K1KA05B00106
P3	K1MN20A00036	CONNECTOR	1	
P4	VJP4395D011	CONNECTOR (MALE)	1	
Q2	UN2215	TRANSISTOR-RESISTOR	1	
Q3-Q5	2SB710A-S	TRANSISTOR	3	
R1	ERX12SJR22	M.RESISTOR 1/2W 0.22	1	
R2	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4,R5	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6,R7	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R8	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R9	ER025CHF1500	M.RESISTOR 1/4W 150	1	
R10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R14-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R23-26	EXB24V473J	COMBI.R-R 47K	4	
R27-34	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	8	
R35-40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R41-44	EXB24V473J	COMBI.R-R 47K	4	
R45-48	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R49	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R50-59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	10	
R60,61	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R62-69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R70	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R71,72	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R74	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R75	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R77	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R78	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R80	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R81	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R83	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R84	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R86	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R87	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R89	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R90	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R92	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R93	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R95	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R96	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R98	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R99	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R101	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R102	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	

Components identified with the mark ⚠ have special characteristics for safety.
When replacing any of these component, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R104	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R105	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R107	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R108	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R110	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R111	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R113	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R114	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R116	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R117	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R119	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R120	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R122	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R123	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R125	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R126	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R128-34	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	7	
R135	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW1	CMS-2202A	SWITCH	1	
SW2	K9AA020A0001	SWITCH	1	
SW3	VSS0367-08B	SWITCH	1	
SW4	VST0153	SWITCH	1	K0E112A00098
SW5	KSR1007	SWITCH	1	
SW6	KSR1005	SWITCH	1	
SW7	VST0152	SWITCH	1	K0E112A00094
SW8	K0F111A00397	SWITCH	1	
SW9	K0F111A00398	SWITCH	1	
SW10	K0F111A00399	SWITCH	1	
SW11	K0F111A00239	SWITCH	1	
SW12	K0F111A00400	SWITCH	1	
SW13	K0F111A00401	SWITCH	1	
SW14-20	VSP0853A000	SWITCH	7	K0F111A00235
SW21	VSP0853A001	SWITCH	1	K0F111A00236
SW22	VSP0853A002	SWITCH	1	K0F111A00237
SW23-25	VSP0853A000	SWITCH	3	K0F111A00235
⚠ TH1	D4FB1R100001	THERMISTOR	1	
VR1-R5	VRV0118B103	V.RESISTOR 10K	5	
VR6	D2BDA14B0004	V.RESISTOR 10K	1	
VR7-10	VRV0118B103	V.RESISTOR 10K	4	
X1	VSX1046	CRYSTAL OSCILLATOR	1	H2C8004A0001
		MISCELLANEOUS		
	VMX2148	LED SPACER	6	
■ E8	VEP24163C	BS INCOM P.C.BOARD	1	(RTL)
C1001	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C1002	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C1003	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1004	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C1005	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1006	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C1007	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C1008	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1009	ECST1CC226Z	T.CAPACITOR CH 16V 22U	1	
C1010	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C1012	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C1013	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1014,15	ECST1CY225ZR	T.CAPACITOR CH 16V 2.2U	2	ECST1CY225R
C1016	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
D1001	LN38GPL	DIODE	1	
D1002-04	LN28RPL	DIODE	3	
D1005,06	LN38GPL	DIODE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1001	AN77L08M	IC	1	
IC1002	UPC4570G2	IC	1	C0ABBB000016
IC1003	AN77L08M	IC	1	
IC1004	C0ABBB000124	IC	1	
L1008,09	J0JKC0000009	FILTER	2	
P1001	VJP2741A020	CONNECTOR (MALE)	1	K1KA20A00056
P1002	VJP2741A006	CONNECTOR (MALE)	1	K1KA06A00212
R1001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1002	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R1003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1004,05	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R1006	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1007	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1008	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1009	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1010,11	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	2	
R1012,13	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R1014-16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1017-28	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	12	
R1029,30	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R1031-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R1034	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW1001	K0E112G00027	SWITCH	1	
SW1002	CMS-2202A	SWITCH	1	
SW1003	VST0153	SWITCH	1	K0E112A00098
SW1004	K0F111A00239	SWITCH	1	
SW1005	VSP0853A003	SWITCH	1	K0F111A00238
SW1006	VST0152	SWITCH	1	K0E112A00094
VR1001	VRV0303B104A	V.RESISTOR 100K	1	
VR1002,03	VRV0118B102	V.RESISTOR 1K	2	
XD1001-06	VMX2148	LED SPACER	6	
		MISCELLANEOUS		
	VMA0M49	SWITCH ANGLE A	1	
	XWE6	WASHER	8	

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D20

Service Manual

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Sec. 3	Disassembly Procedure
Sec. 4	Electrical Adjustments
Sec. 5	Block Diagrams
Sec. 6	Schematic Diagrams
Sec. 7	Circuit Board Diagrams
Sec. 8	Exploded Views & Parts List

Revised
The latest information of Digital Triax System service manual (ORDER NO. BSD0108M906) is contained in this service manual.

DVCPRO
Digital Triax System

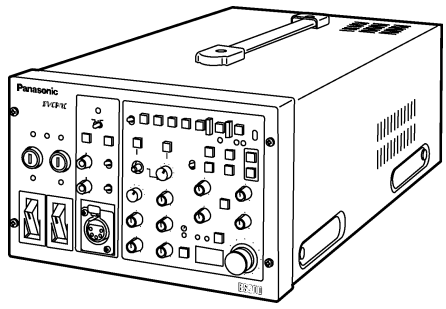
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AJ-CA900HP/EN

Base Station
AJ-BS900P/EN
AJ-BS900HP/EN

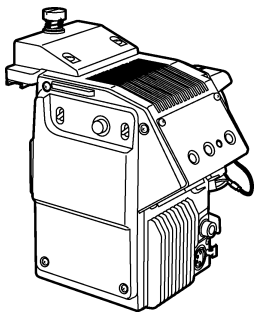
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AJ-RP900P/EN

Serial Digital Output Board
AJ-YA901P/EN

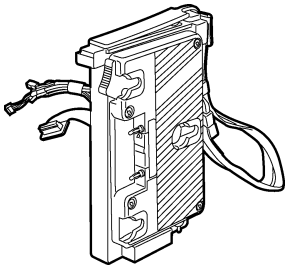
Camera Adapter I/F
AJ-YA600P



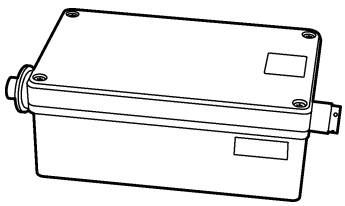
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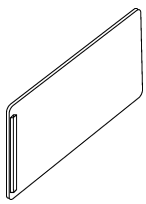
AJ-CA900/H



AJ-YA600



AJ-RP900



AJ-YA901

Panasonic

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SECTION 4

ELECTRICAL ADJUSTMENTS

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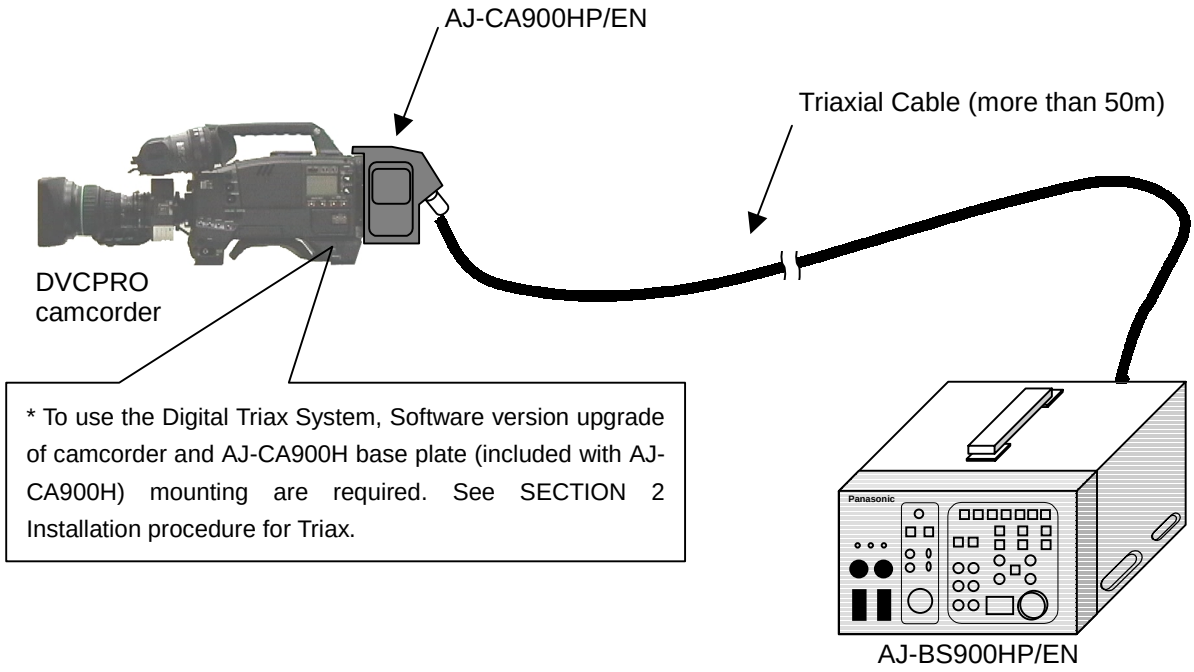
Electrical adjustment for AJ-BS900HEN & CA900HEN

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1. Equipment

Name	Recommend	Remark
Camera adapter	AJ-CA900HP/EN	
Base station	AJ-BS900HP/EN	
Triaxial cable		Cable length needs to be more than 50m (165 ft.)
Audio Analyzer	DPA-211A	This Service manual describes about operation of DPA-211A.
Oscilloscope	1760 (op. SC) or 1780R (NTSC) 1761 (op. SC) or 1781R (PAL)	Tektronix
Vector Scope		
D.V.M		Digital Volt Meter
Frequency counter		
Extension Board (For AJ-CA900H)	VFK1194	
Extension Board (For AJ-BS900H)	VFK1671 (NEW)	

2. System connection



3. BS POWER, BS AUDIO

3-1. Power Voltage Adjustment

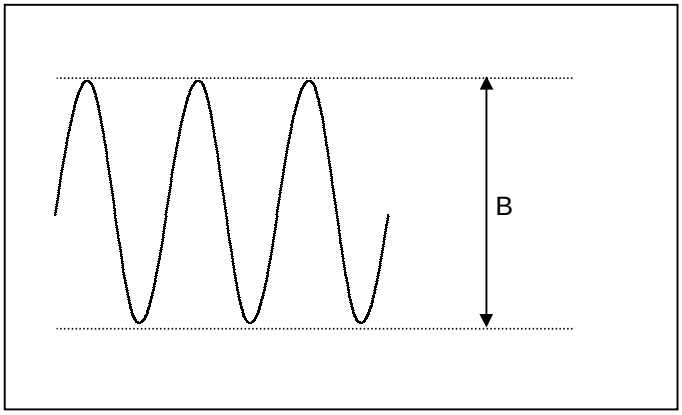
BOARD	BS POWER, BS AUDIO
TP	VFK1671 A10 pin, GND : A78pin
ADJ.	VR1 [V ADJ] (BS POWER UNIT)
INPUT	------
M. EQ	D.V.M
SPEC.	5.0V +/- 0.05V

1. Extend BS AUDIO Board with Extension Board (VFK1671).
2. Connect D.V.M to A10pin on the VFK1671 and then adjust VR1 so that voltage is within the specification.

3-2. OSC Frequency Adjustment

BOARD	BS AUDIO
TP	VFK1671 B58 pin
ADJ.	X1 [14MHz VCO], VR18 [SC LVL]
INPUT	------
M. EQ	Frequency counter, Oscilloscope
SPEC.	A = 3.579545MHz +/- 5Hz B = 1.0Vp-p +/- 1% (0.01V)

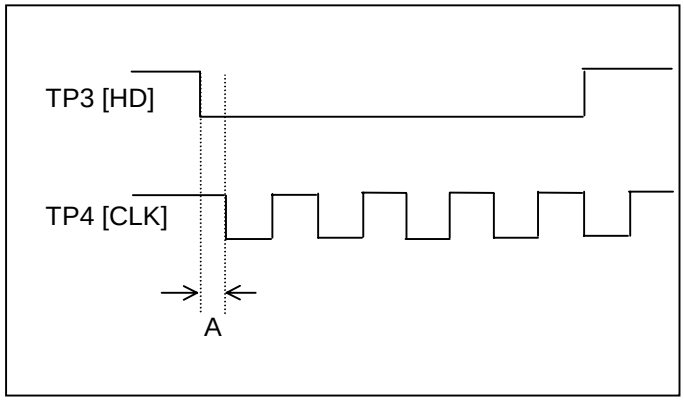
1. Extend BS AUDIO Board with Extension Board (VFK1671).
2. Connect Frequency counter to B58pin on the VFK1671 and then adjust X1 so that the Frequency A is within the specification.
3. Connect Oscilloscope to B58pin on the VFK1671 and then adjust VR18 so that the signal level B is within the specification.



3-3. 27MHz Frequency adjustment

BOARD	BS AUDIO
TP	TP3 [HD], TP4 [CLK13.5M]
ADJ.	VR16 [27M∅]
INPUT	Black Burst signal (or Color bars)
M. EQ	Oscilloscope
SPEC.	A = 9nS +/- 1nS

1. Connect Oscilloscope to TP3 and TP4.
2. Supply Black Burst signal (or Color bar signal) to GENLOCK IN connector on the rear panel of AJ-BS900H.
3. Check the “GENLOCK” indicator on the front panel of AJ-BS900H is lighting.
4. Adjust VR16 so that signal timing between TP3 and TP4 (A) is within the specification.
5. Set AJ-BS900H to internal lock mode (no signal input from GENLOCK IN Connector) and then confirm the timing A is within the specification.

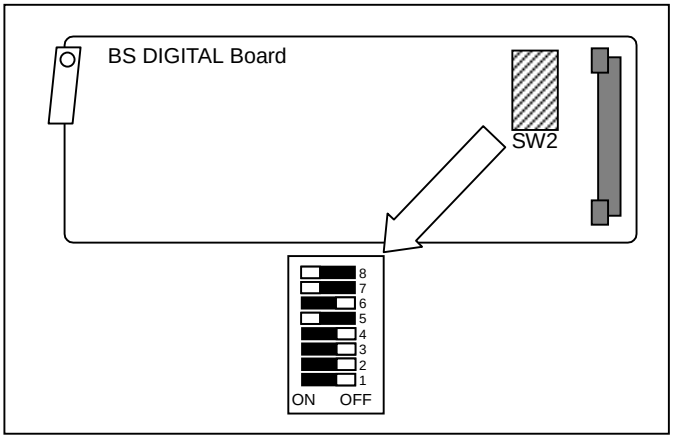


4. BS DIGITAL

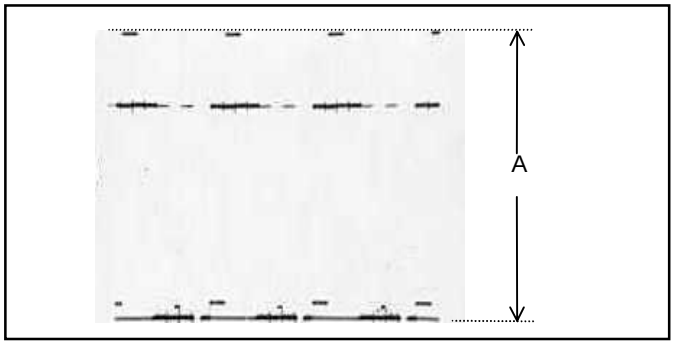
4-1. RGB Output Level Adjustment

BOARD	BS DIGITAL
TP	Y/G OUT, PR/R OUT, PB/B OUT
ADJ.	VR5 [Y/G GAIN], VR6 [PR/R GAIN], VR7 [PB/B GAIN] (With 75 Ω Termination)
INPUT	AJ-BS900H Internal Color bar signal
M. EQ	Oscilloscope
SPEC.	A, B, C = 714mV +/- 1%

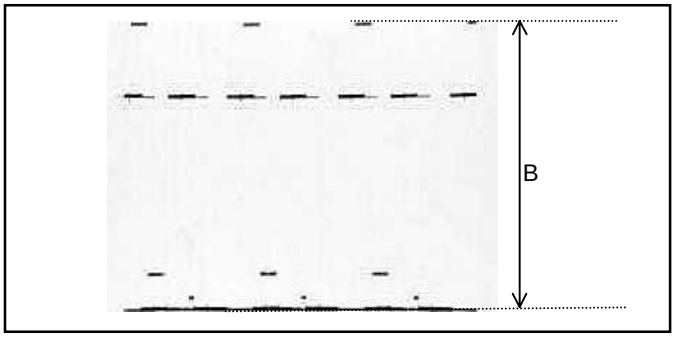
1. Set SW2-1pin on the BS DIGITAL Board to OFF. (Y/C → R, G, B output mode)



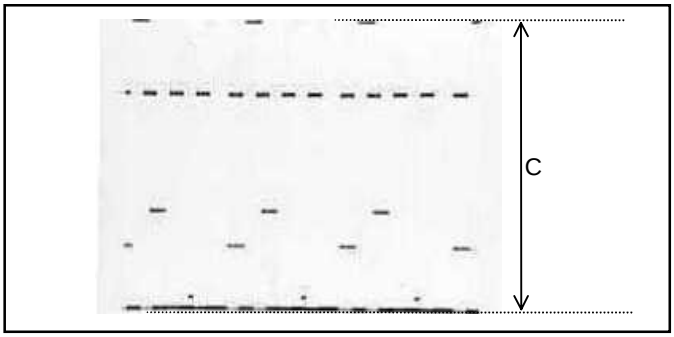
2. Connect Oscilloscope to Y/G OUT connector and then adjust VR5 so that the signal level A is within the specification.



3. Connect Oscilloscope to PR/R OUT and then adjust VR6 so that the signal level B is within the specification.



4. Connect Oscilloscope to PB/B OUT and then adjust VR7 so that the signal level C is within the specification.



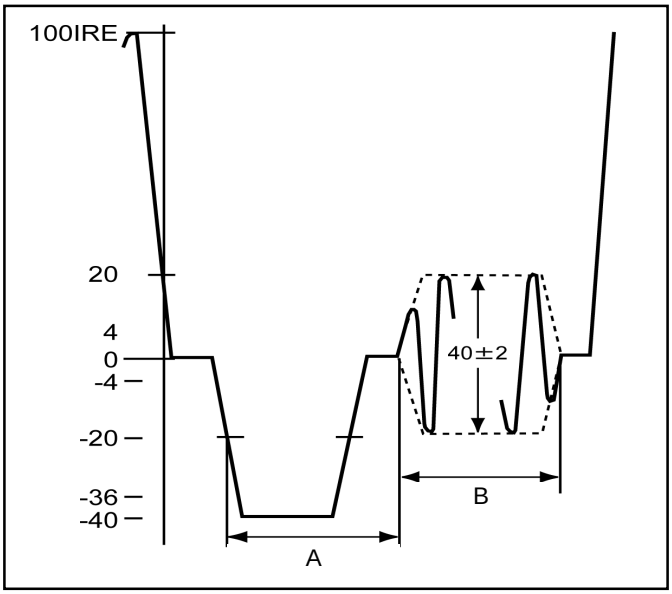
5. Set SW2-1pin to ON.

4-2. Color Burst Phase, Width Adjustment

BOARD	BS AUDIO
TP	ENC1 OUT
ADJ.	VR13 [BF PHASE], VR14 [BF WIDTH]
INPUT	AJ-BS900H Internal Color bar signal
M. EQ	Oscilloscope
SPEC.	A = 5.3µS +/- 0.1µS B = 9 Cycle

1. Set output signal mode on the AJ-BS900H to Internal Color bar mode. (Press “BARS” button on the AJ-BS900H.)

2. Connect Oscilloscope to ENC1 OUT connector and then adjust VR13 so that the Burst signal phase A is within the specification.
3. Connect Oscilloscope to ENC1 OUT connector and then adjust VR14 so that the Burst signal width B is within the specification.



4-3. Carrier Balance Adjustment

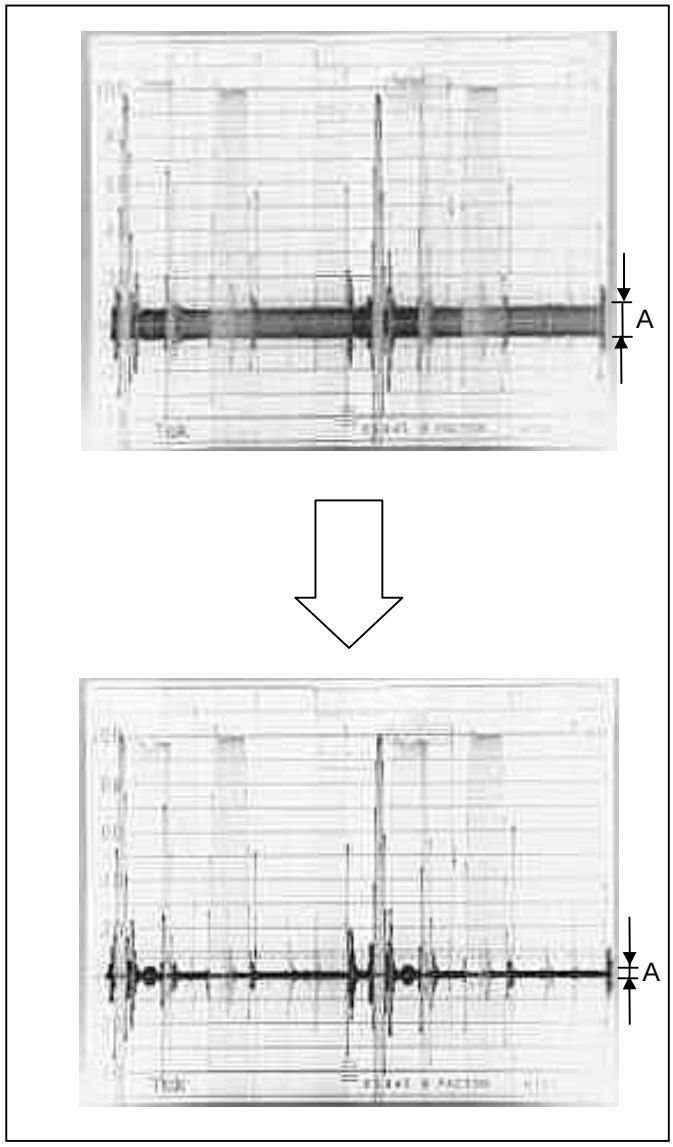
BOARD	BS DIGITAL
TP	ENC1 OUT
ADJ.	VR19 [R-Y BLK BAL], VR22 [B-Y BLK BAL]
INPUT	AJ-BS900H Internal Color bar signal
M. EQ	WFM (With 75 Ω termination, 5x mode)
SPEC.	A=Carrier component level: minimum.

1. Set WFM as shown below.

   GAIN : 5x

   FILTER : CHROMA mode

2. Connect WFM to ENC1 OUT connector and then adjust VR19 and VR22 so that the signal carrier level (A) is within the specification.



4-4. I/Q Adjustment

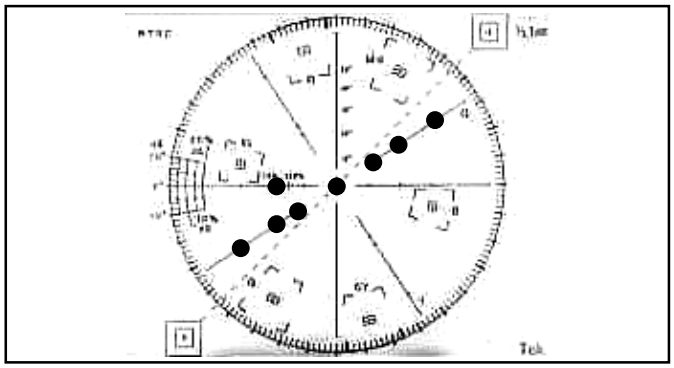
BOARD	BS DIGITAL
TP	ENC1 OUT
ADJ.	VR17 [I-GAIN], VC1 VR16[BURST PHASE], VR20 [BURST LVL]
INPUT	AJ-BS900H Internal Color bar signal
M. EQ	Vector Scope (With 75 Ω termination) Oscilloscope
SPEC.	As shown below

1. Set SW2 on the BS DIGITAL Board as shown below.

   SW2-2 [Q-ON] : ON

   SW2-3 [I-ON] : OFF

2. Connect Vector scope to ENC1 OUT connector and then adjust “Phase knob” and “Variable knob” on the Vector scope so that the all Dots are on the Q axis, straight.

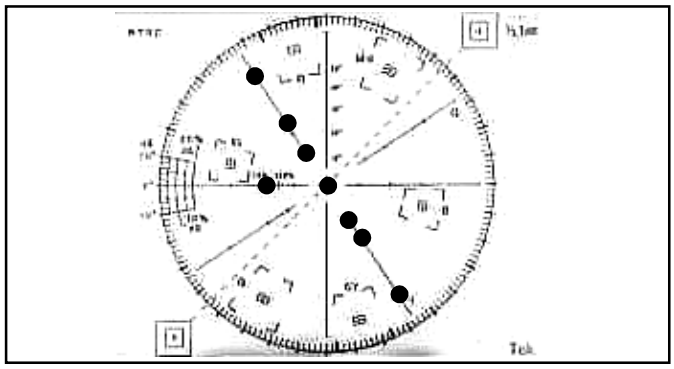


3. Set SW2 on the BS DIGITAL Board as shown below.

   SW2-2 [Q-ON] : OFF

   SW2-3 [I-ON] : ON

4. Connect Vector scope to ENC1 OUT connector and then adjust VC1 and VR17 so that the all dots are on the scale of I axis.

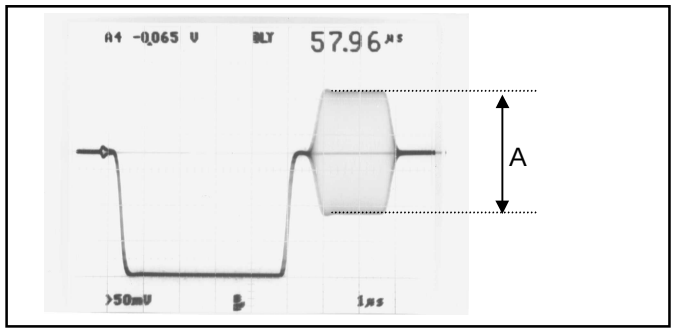


5. Set SW2 on the BS DIGITAL Board as shown below. And confirm the Vector scope’s picture that all dots are within each Inner box.

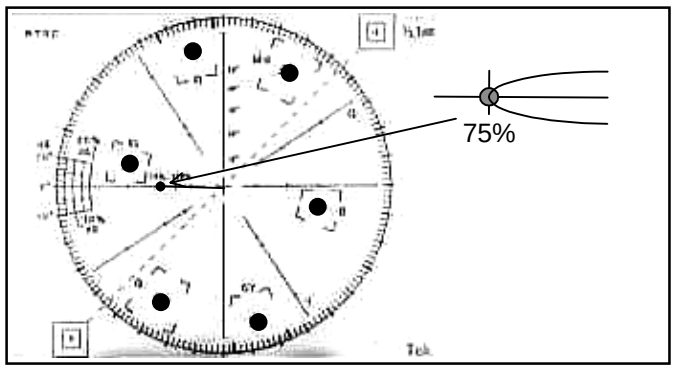
   SW2-2 [Q-ON] : OFF

   SW2-3 [I-ON] : OFF

6. Connect Oscilloscope to ENC1 OUT connector and then adjust VR20 so that the Color burst level A is 40 IRE (286mV) +/- 1%.



7. Connect Vector scope to ENC1 OUT connector and then adjust VR16 so that the Color burst phase B meet to the scale on the Vector scope.

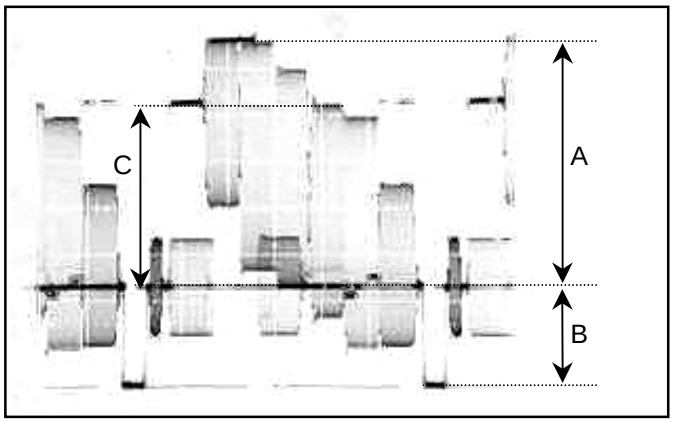


4-5. ENC Output Level Adjustment

BOARD	BS DIGITAL
TP	ENC1 OUT, ENC2 OUT, ENC3 OUT,
ADJ.	VR8 [SYNC 1] VR9, VR11, VR13 [CHROMA 1- 3] VR10, VR12, VR14 [ENC 1- 3]
INPUT	AJ-BS900H Internal Color bar signal
M. EQ	Oscilloscope (With 75 Ω termination)
SPEC.	As shown below

ENC1 Adjustment

1. Connect Oscilloscope to ENC1 OUT connector and then adjust VR10 so that the signal level A is 714mV +/- 1%.
2. Adjust VR8 so that the Sync level B is 286mV +/- 1%.
3. Adjust VR9 so that the Chrominance level C meets to luminance.



ENC2 Adjustment

4. Connect Oscilloscope to ENC2 OUT connector and then adjust VR12 so that the signal level A is 714mV +/- 1%.
5. Adjust VR11 so that the Chrominance signal level C meets to luminance.

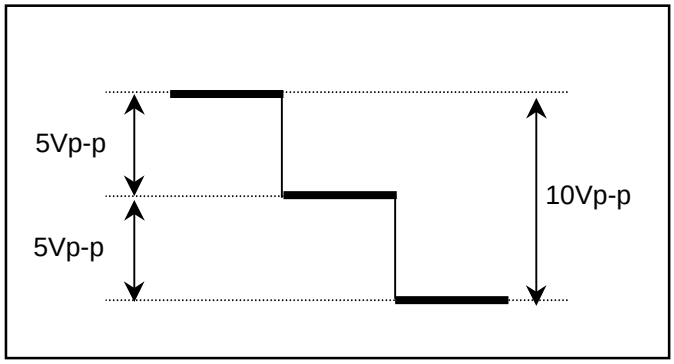
ENC3 Adjustment

6. Connect Oscilloscope to ENC3 OUT connector and then adjust VR14 so that the signal level A is 714mV +/- 1%.
7. Adjust VR13 so that the Chrominance signal level C meets to luminance.

4-6. Stair Signal Level Adjustment

BOARD	BS DIGITAL
TP	VFK1671 A45 pin
ADJ.	VR3 [STAIR BAL], VR4 [STAIR GAIN]
INPUT	------
M. EQ	Oscilloscope (With 75 Ω termination)
SPEC.	As shown below

1. Set MON SEL SW on the front panel of AJ-BS900H as shown below.
   MON SEL : SEQ
2. Extend BS DIGITAL Board with VFK1671.
3. Connect Oscilloscope to A45pin on VFK1671 and then adjust VR4 so that the signal level is 10Vp-p.
4. Connect Oscilloscope to A45pin on VFK1671 and then adjust VR3 and VR4 so that the step duty is 5Vp-p each.



4-7. PIX, WFM Output Level Adj.

BOARD	BS DIGITAL
TP	PIX OUT, WFM OUT
ADJ.	VR1 [PIX GAIN], VR2 [WFM GAIN] VR15 [MON ENC GAIN]
INPUT	AJ-BS900H Internal Color bar signal
M. EQ	Oscilloscope (With 75 Ω termination)
SPEC.	A = 714mVp-p +/- 1%

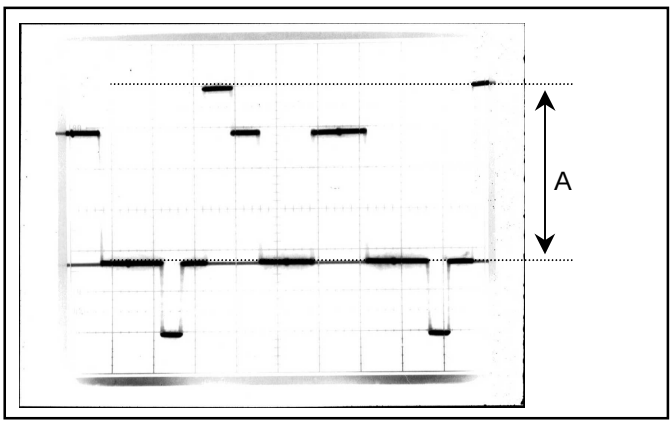
Setting for PIX OUT

1. Set MON SEL SW on the front panel of AJ-BS900H as shown below.
   MON SEL : SEQ
2. Connect Oscilloscope to PIX OUT connector and then adjust VR1 so that the signal level A is within the specification.

Setting for WFM OUT

3. Set MON SEL SW on the front panel of AJ-BS900H as shown below.
   MON SEL : SEQ
4. Connect Oscilloscope to WFM OUT connector and then adjust VR2 so that the signal level A is within the specification.

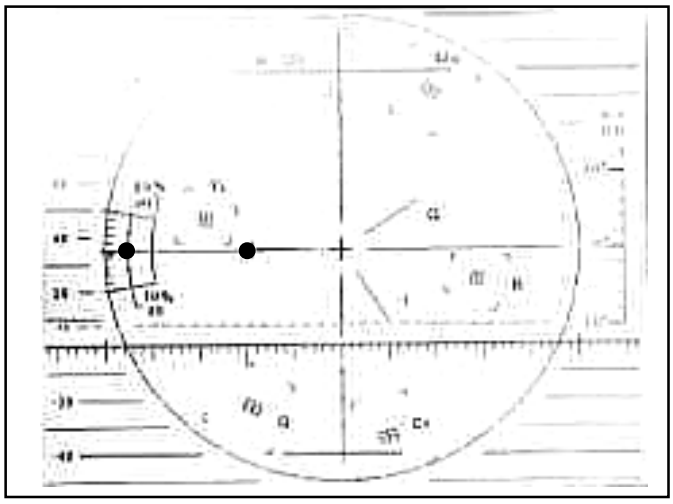
5. Set MON SEL SW on the front panel of AJ-BS900H as shown below.
   MON SEL : ENC
6. Connect Oscilloscope to WFM OUT connector and then adjust VR15 so that the signal level A is within the specification.



4-8. SCH Adjustment

BOARD	BS AUDIO
TP	ENC1 OUT
ADJ.	VR17 [SCH]
INPUT	------
M. EQ	SCH Meter (With 75 Ω termination)
SPEC.	SCH = 0 ° +/- 10 °

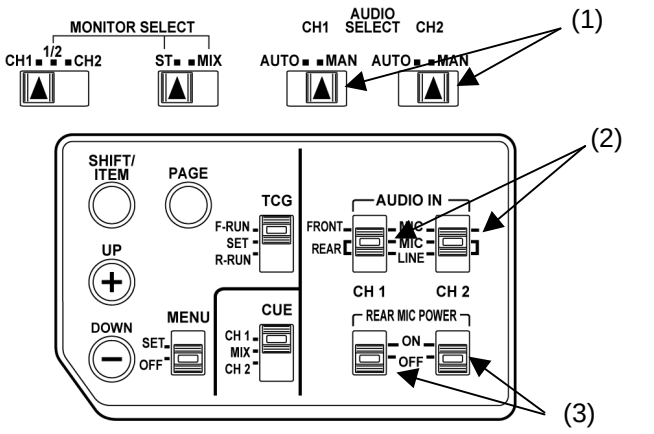
1. Set Genlock mode of AJ-BS900H to Internal (No signal input from GENLOCK IN Connector).
2. Connect SCH Meter to ENC1 OUT connector and then adjust VR17 so that the SCH is within the specification.



4-9. MIC Level Adjustment

BOARD	BS AUDIO
TP	AUDIO OUT 1CH, AUDIO OUT 2CH
ADJ.	VR10 [LVL], VR11 [LVL]
INPUT	As shown below
M. EQ	Audio Analyzer
SPEC.	CH1 = 0dBu +/- 1dB, CH2 = 0dBu +/- 1dB

1. Set audio control switches on the DVCPRO camcorder are shown below.
   (1) AUDIO SELECT (CH1, CH2) : MAN
   (2) AUDIO IN (CH1, CH2) : REAR MIC
   (3) REAR MIC POWER (CH1, CH2) : OFF
   (4) AUDIO CH FRONT VR : MAX.



Side panel on camcorder

Audio Analyzer's setting

2. Connect AUDIO IN CH1 connector of camcorder to OUTPUT A connector of audio analyzer.
3. Set output parameters of Audio analyzer as shown below.

FUNCTION	: OSC
FREQUENCY RANGE	: X100
OUTPUT MODE	: A
OUTPUT LEVEL	: -60dBm
FREQUENCY	: 1000Hz
LEVEL METER	: 0dBm
LOAD	: ON

4. Connect AUDIO OUT connector of camcorder to INPUT A connector of audio analyzer.
5. Set input parameters of audio analyzer as shown below.

FUNCTION	: LM
INPUT IMPEDANCE	: 10kΩ
FILTER	: FLAT
LM/DM RANGE	: AUTO

6. Adjust AUDIO LEVEL VR CH1 and CH2 so that the output levels of camcorder (CH1 and CH2) are +4dBu +/- 1dB.

MIC Level Adjustment

7. Connect AUDIO OUT CH1 connector of AJ-BS900H to INPUT A connector of audio analyzer.
8. Adjust VR10 so that the AUDIO OUT level of CH1 is within the specification.
9. Connect AUDIO OUT CH2 connector of AJ-BS900H to INPUT A connector of audio analyzer.
10. Adjust VR11 so that the AUDIO OUT level of CH1 is within the specification.

4-10. INCOM Level Adjustment CA900H → BS900H

BOARD	CAM POWER, CAM INCOM
TP	AJ-BS900H COMMUNICATION TERMINAL 6pin, 7pin
ADJ.	VR2 [ENG GAIN] : CAM POWER VR1 [MIC LVL] : CAM INCOM
INPUT	AJ-CA900H INCOM connector
M. EQ	Audio Analyzer
SPEC.	0 +/- 1dBm

SW Setting

1. Set switches on the BS AUDIO BOARD and CAM INCOM BOARD as follows.

SW	Setting	BOARD
SW1 [ENG]	4W	BS AUDIO
SW2 [ENG RTS LOAD]	ON	BS AUDIO
SW1 [DM/CM]	CM	CAM INCOM
MIC SW	ON	CA900H Side panel

Output Setting

2. Connect INCOM connector 4 pin [INCOM RECEIVE (H)] and 5pin [PGM/RECEIVE (C)] of AJ-CA900H to OUTPUT A connector of audio analyzer.
3. Set Output parameters of audio analyzer as shown below.

   FUNCTION : OSC
   FREQUENCY RANGE : X100
   OUTPUT MODE : A
   OUTPUT LEVEL : -10dB
   FREQUENCY : 1000Hz
   LEVEL METER : 0dBm
   LOAD : OFF

Input Setting

4. Connect communication terminal 6 pin [ENG TO L (H)] and 7pin [ENG TO L (C)] of AJ-BS900H to INPUT A connector of audio analyzer.
5. Set input parameters of audio analyzer as shown below.

   FUNCTION : LM
   INPUT IMPEDANCE : 600Ω
   FILTER : FLAT
   LM/DM RANGE : AUTO

6. Adjust VR2 so that the audio level is within the specification.

7. Set SW1 on the CAM INCOM BOARD as follows.

SW	Setting	BOARD
SW1 [DM/CM]	DM	CAM INCOM

8. Set output parameter of audio analyzer as shown below.

   OUTPUT LEVEL : -55dB

9. Adjust VR1 so that the audio level is within the specification.

4-11. Side tone Level Adjustment (BS900H, CA900H)

BOARD	CAM POWER, CAM INCOM, BS AUDIO, BS INCOM
TP	AJ-CA900H, BS900H INCOM connector
ADJ.	AJ-CA900H INCOM level knob (on Side panel) VR3 [ENG SIDE TONE] : CAM POWER VR5 [BS SIDE TONE] : BS AUDIO
INPUT	AJ-CA900H, BS900H INCOM connector
M. EQ	Audio Analyzer
SPEC.	A = -6 +/- 1dBm

SW Setting

1. Set switches on the CAM INCOM BOARD as shown below.

SW	Setting	BOARD
SW1 [DM/CM]	CM	CAM INCOM
MIC SW	ON	CA900H side panel
SW1 [ENG]	4W	BS AUDIO
SW2 [ENG RTS LOAD]	ON	BS AUDIO
SW2 [DM/CM]	CM	BS INCOM
INCOM OUT SW	OFF	BS900H front panel

Output Setting

2. Connect INCOM connector 4pin [INCOM RECEIVE (H)] and 5pin [PGM/RECEIVE (C)] of AJ-CA900H to OUTPUT A connector of audio analyzer.
3. Set output parameters of audio analyzer as shown below.

FUNCTION	: OSC
FREQUENCY RANGE	: X100
OUTPUT MODE	: A
OUTPUT LEVEL	: -10dB
FREQUENCY	: 1000Hz
LEVEL METER	: 0dBm
LOAD	: OFF

INPUT Setting

4. Connect INCOM connector 1pin [GND] and 2 pin [INCOM TALK] of AJ-CA900H to INPUT connector of audio analyzer.
5. Set input parameters of audio analyzer as shown below.

FUNCTION	: LM
INPUT IMPEDANCE	: 10kΩ
FILTER	: FLAT
LM/DM RANGE	: AUTO

6. Adjust INCOM level knob of AJ-CA900H so that the audio level is “0 +/- 0.5dBm”.
7. Adjust VR3 [ENG SIDE TONE] so that the side tone audio level A is within the specification.
8. Connect INCOM connector 4pin [INCOM RECEIVE (H)] and 5pin [PGM/RECEIVE (C)] of AJ-BS900H to OUTPUT A connector of audio analyzer.
9. Connect INCOM connector1pin [GND] and 2pin [INCOM TALK] of AJ-BS900H to INPUT A connector of audio analyzer.
10. Confirm parameter setting of audio analyzer as follows.

Output Setting

FUNCTION	: OSC
FREQUENCY RANGE	: X100
OUTPUT MODE	: A
OUTPUT LEVEL	: -10dB
FREQUENCY	: 1000Hz
LEVEL METER	: 0dBm
LOAD	: OFF

Input Setting

FUNCTION	: LM
INPUT IMPEDANCE	: 10kΩ
FILTER	: FLAT
LM/DM RANGE	: AUTO

11. Adjust VR5 [BS SIDE TONE] so that the side tone audio level A is within the specification.

4-12. INCOM Level Adjustment (BS900H → CA900H)

BOARD	BS AUDIO, CAM INCOM
TP	AJ-BS900H COMMUNICATION TERMINAL 6pin, 7pin
ADJ.	VR2 [2W] : BS AUDIO VR4 [RTS LVL] : BS AUDIO
INPUT	AJ-CA900H INCOM connector
M. EQ	Audio Analyzer
SPEC.	A = 0 +/- 1dBm

SW Setting

1. Set switches in AJ-CA900H and AJ-BS900H as shown below.

SW	Setting	BOARD
SW1 [DM/CM]	CM	CAM INCOM
SW1 [ENG]	2W	BS AUDIO
SW2 [ENG RTS LOAD]	ON	BS AUDIO
SW2 [DM/CM]	CM	BS INCOM
MIC SW	ON	CA900H side plate

Output Setting

2. Connect communication terminal 6 pin [ENG TO L (H)] and 7pin [ENG TO L (C)] of AJ-BS900H to OUTPUT A of audio analyzer.
3. Set output parameters of audio analyzer as shown below.

FUNCTION	: OSC
FREQUENCY RANGE	: X100
OUTPUT MODE	: A
OUTPUT LEVEL	: 0dB
FREQUENCY	: 1000Hz
LEVEL METER	: 0dBm
LOAD	: OFF

Input Setting

4. Connect INCOM connector 1pin [GND] and 2pin [INCOM TALK] of AJ-CA900H to INPUT A connector of audio analyzer.
5. Set input parameters of audio analyzer as shown below.

FUNCTION	: LM
INPUT IMPEDANCE	: 10kΩ
FILTER	: FLAT
LM/DM RANGE	: AUTO

6. Adjust VR2 so that the audio level A is within the specification.

7. Set switch on BS AUDIO BOARD as follows.

SW	Setting	BOARD
SW1 [ENG]	RTS	BS AUDIO

8. Adjust VR4 so that the audio level A is within the specification.

5. CAM POWER, CAM DIGITAL

5-1. Power Voltage Adjustment

BOARD	CAM POWER
TP	VFK1670 A10pin, A13pin, A16pin, A20pin, GND : A78pin
ADJ.	VR1 [V ADJ]
INPUT	------
M. EQ	D.V.M
SPEC.	As shown below

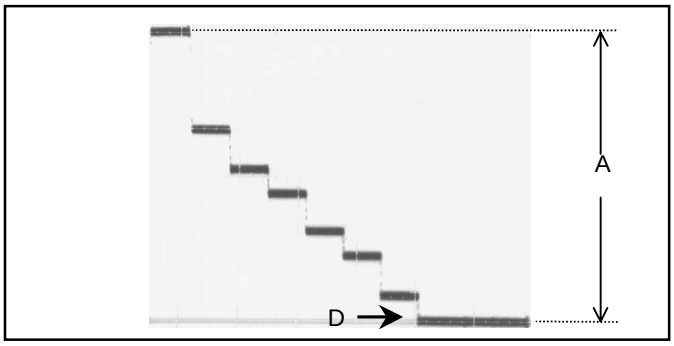
1. Extend CAM POWER Board with VFK1670.
2. Connect D.V.M. to following test-points and then adjust VR1 so that the each voltage is within the specification.

TP	Specification
A10pin	5.00V +/- 0.15V
A13pin	3.30V +/- 0.10V
A16pin	12.00V +/- 0.40V
A20pin	-5.60V +/- 0.17V

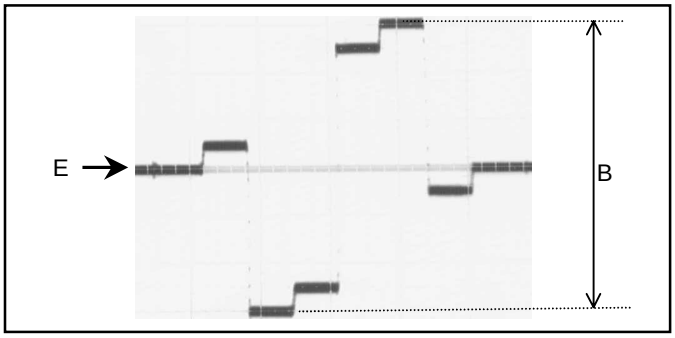
5-2. Video Level Adjustment

BOARD	CAM DIGITAL
TP	AJ-BS900H : Y/G, PR/R, PB/B OUT
ADJ.	VR1 [Y/G GAIN], VR2 [Y/G CLAMP DC] VR3 [PR/R GAIN], VR4 [PR/R CLAMP DC] VR5 [PB/B GAIN], VR6 [PB/B CLAMP DC]
INPUT	AJ-CA900H Internal Color bar signal
M. EQ	Oscilloscope
SPEC.	A = 714mV +/- 1% B = 757mV +/- 1% C = 757mV +/- 1%

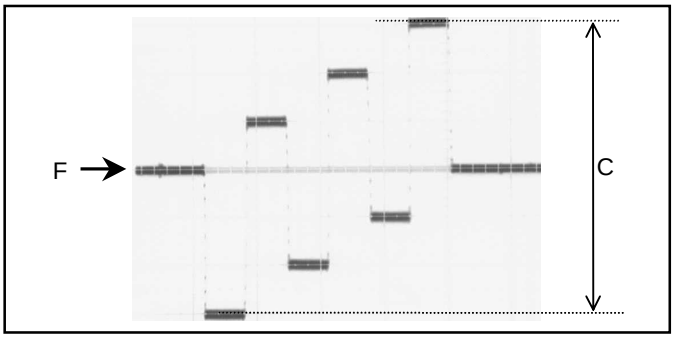
1. Press “CALL” Button and “BARS” Button on front panel of AJ-BS900H simultaneously. (AJ-CA900H Internal color bar signal output mode.)
2. Connect Oscilloscope to Y/G OUT and then adjust VR1 so that the signal level A is within the specification.
3. Adjust VR2 so that the step D (“→” portion) become no step.



4. Connect Oscilloscope to PR/R OUT and then adjust VR3 so that the signal level B is within the specification.
5. Adjust VR4 so that the step E (“→” portion) become no step.



6. Connect Oscilloscope to PB/B OUT and then adjust VR5 so that the signal level C is within the specification.
7. Adjust VR6 so that the step F (“→” portion) become no step.



6. BS POWER, BS AUDIO

6-1. Power Voltage Adjustment

BOARD	BS POWER, BS AUDIO
TP	VFK1671 A10 pin, GND : A78pin
ADJ.	VR1 [V ADJ] (BS POWER UNIT)
INPUT	------
M. EQ	D.V.M
SPEC.	5.0V +/- 0.05V

1. Extend BS AUDIO Board with Extension Board (VFK1671).
2. Connect D.V.M to A10pin on the VFK1671 and then adjust VR1 so that voltage is within the specification.

6-2. OSC Frequency Adjustment

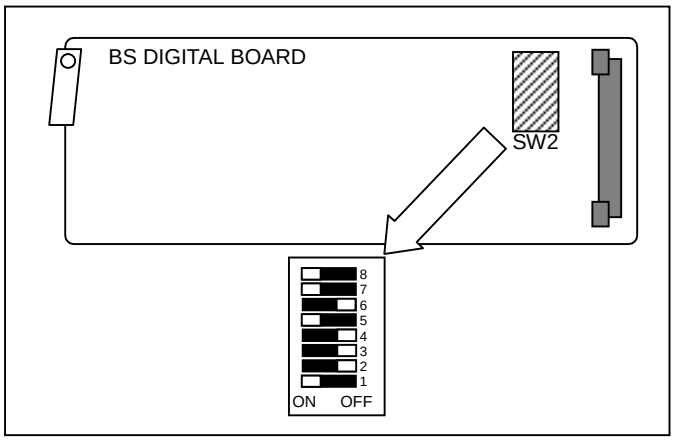
BOARD	BS AUDIO
TP	VFK1671 : B58 pin
ADJ.	X1, VR16 [27∅], VR18 [SC LVL]
INPUT	------
M. EQ	Frequency counter, Oscilloscope
SPEC.	A = 4.43361875MHz +/- 5Hz B = 1.0Vp-p +/- 1% (0.01V)

1. Set VR16 to center position.
2. Extend BS AUDIO Board with Extension Board (VFK1671).
3. Connect Frequency counter to B58pin on the VFK1671 and then adjust X1 so that the frequency A is within the specification.
4. Connect Oscilloscope to B58pin on the VFK1671 and then adjust VR18 so that the signal level B is within the specification.

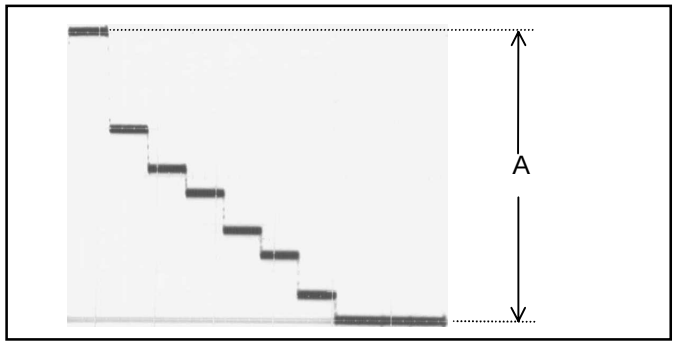
6-3. RGB Output Level Adjustment

BOARD	BS DIGITAL
TP	Y/G OUT, PR/R OUT, PB/B OUT
ADJ.	VR5 [Y/G GAIN], VR6 [PR/R GAIN], VR7 [PB/B GAIN] (with 75Ω termination)
INPUT	AJ-BS900H Internal Color bar signal : ON
M. EQ	Oscilloscope
SPEC.	As shown below

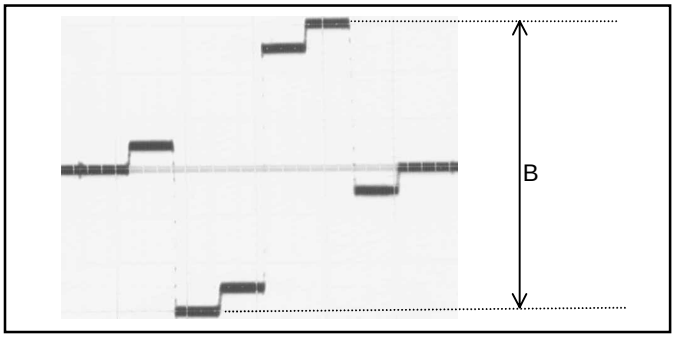
1. Set SW2-1pin on the BS DIGITAL Board to OFF. (Y/C → R, G, B output mode)



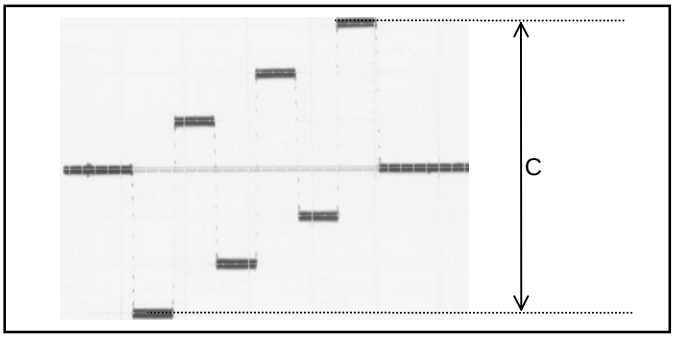
2. Connect Oscilloscope to Y/G OUT and then adjust VR5 so that the signal level A is 700mV +/- 1%.



3. Connect Oscilloscope to PR/R OUT and then adjust VR6 so that the signal level B is 525mV +/- 1%.



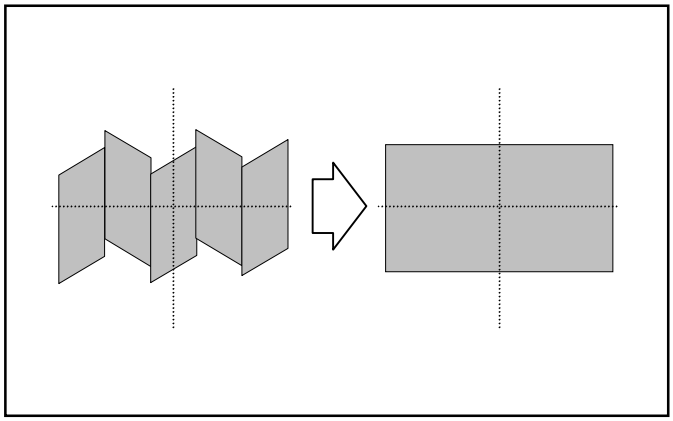
4. Connect Oscilloscope to PB/B OUT and then adjust VR7 so that the signal level C is 525mV +/- 1%.

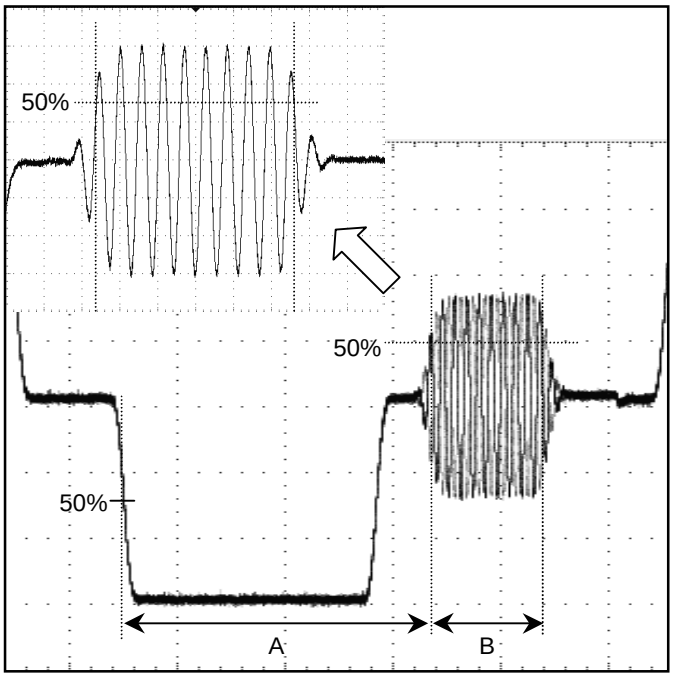


6-4. SC Balance Adjustment

BOARD	BS DIGITAL
TP	TP3
ADJ.	VR23 [SC-BAL1], VR24 [SC-BAL2]
INPUT	AJ-BS900H Internal Color bar signal : ON
M. EQ	Oscilloscope (with 75Ω termination)
SPEC.	As shown below

1. Connect Oscilloscope to TP3 and then adjust VR23 and VR24 so that the signal waveform (envelope) becomes flat.





6-5. Color Burst Phase, Width Adjustment

BOARD	BS AUDIO
TP	ENC1 OUT
ADJ.	VR13 [BF PHASE], VR14 [BF WIDTH]
INPUT	AJ-BS900H Internal Color bar signal : ON
M. EQ	Oscilloscope (with 75Ω termination)
SPEC.	A = 5.6µS +/-0.1µS B = 2.25µS +/- 0.23µS

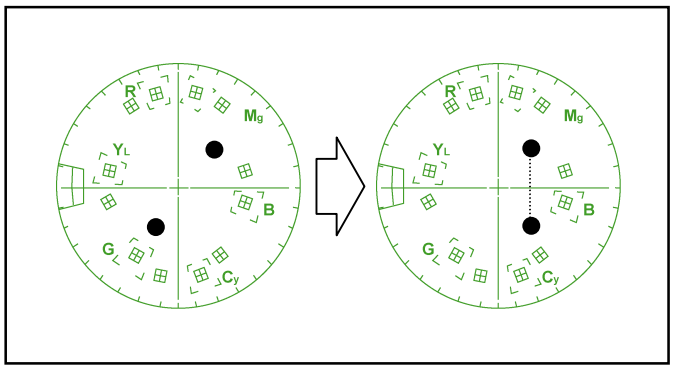
1. Set output signal mode on the AJ-BS900H to Internal Color bar mode. (Press “BARS” button on the AJ-BS900H.)
2. Connect Oscilloscope to ENC1 OUT and then adjust VR13 so that the phase of color burst signal A is within the specification.
3. Connect Oscilloscope to ENC1 OUT connector and then adjust VR14 so that the Burst signal width B is within the specification.

7. BS DIGITAL

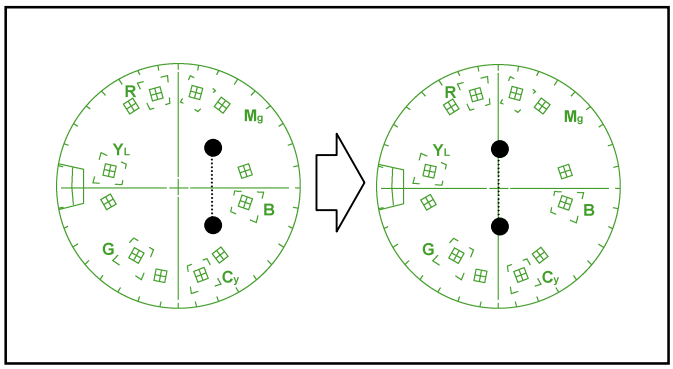
7-1. Carrier Balance Adjustment

BOARD	BS DIGITAL
TP	ENC1 OUT
ADJ.	VR21 [BAL2], VR22 [B-Y BLK BAL] VR18 [BAL1], VR19 [R-Y BLK BAL]
INPUT	AJ-BS900H Internal Color bar signal : ON
M. EQ	Vector scope (with 75Ω termination), 5x mode
SPEC.	As shown below

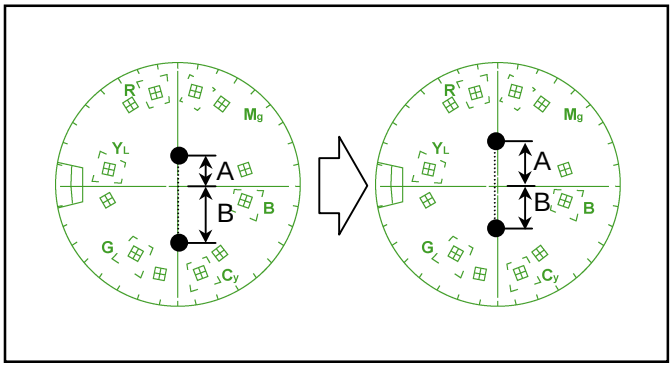
1. Connect Vector scope to ENC OUT1 and then adjust VR21 so that the two vector dots are in parallel with V axis on the scope.



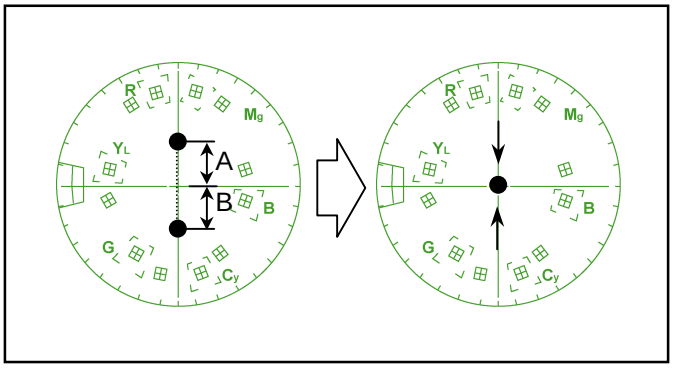
2. Adjust VR22 so that the two vector dots meet to V axis on the scope.



3. Adjust VR18 so that the two vector dots become equal distance (A = B) from center position on V axis of the scope.



4. Adjust VR19 so that the two vector dots come to center position of the scope.



7-2. U/V Adjustment

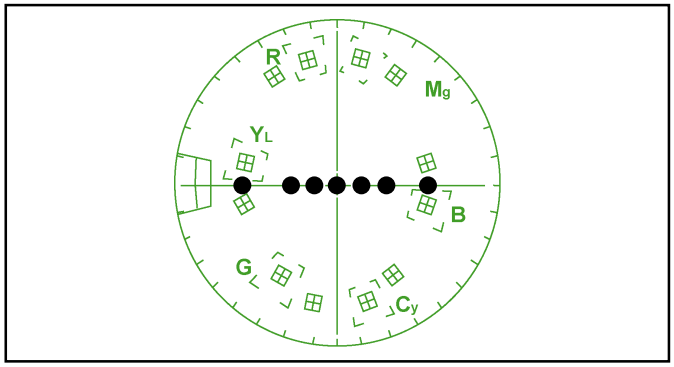
BOARD	BS DIGITAL
TP	ENC1 OUT
ADJ.	VR17 [I-GAIN], VC1 VR20 [BURST LVL], VR16 [BURST PHASE]
INPUT	AJ-BS900H Internal Color bar signal : ON
M. EQ	Vector scope, Oscilloscope (with 75Ω termination both)
SPEC.	As shown below

1. Set SW2 on the BS DIGITAL board as shown below.

   SW2-2 [Q-ON] : OFF

   SW2-3 [I-ON] : ON

2. Connect Vector scope to ENC1 OUT and then adjust VARIABLE and PHASE on the vector scope so that the all dots are on the U axis, straight.

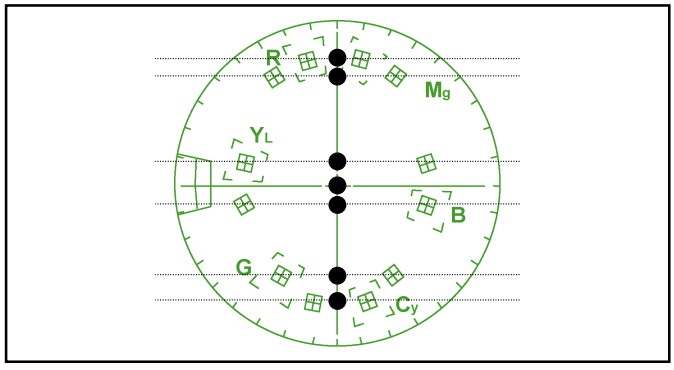


3. Set SW2 on the BS DIGITAL board as shown below.

   SW2-2 [Q-ON] : ON

   SW2-3 [I-ON] : OFF

4. Connect vector scope to ENC1 OUT and then adjust VR17 and VC1 so that the all dots meet to the same level of each inner box (please refer to following figure).

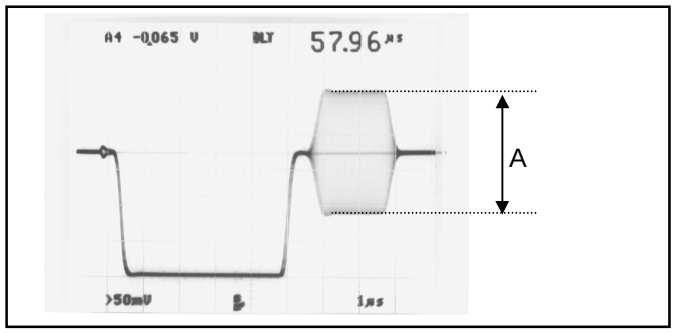


5. Set SW2 on the BS DIGITAL board as shown below.

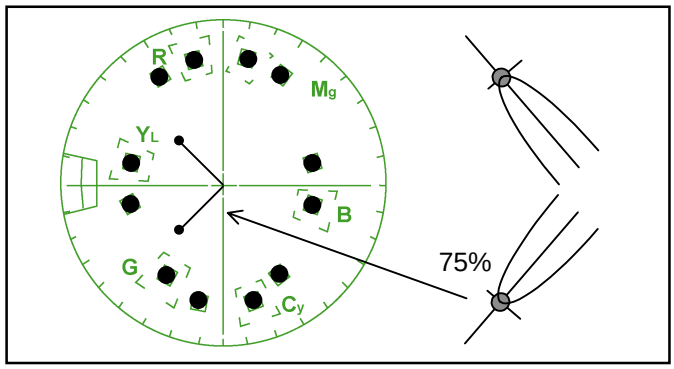
   SW2-2 [Q-ON] : OFF

   SW2-3 [I-ON] : OFF

6. Connect Oscilloscope to ENC1 OUT and then adjust VR20 so that the color burst signal level A is 300mV +/- 3mVp-p.



7. Connect Vector scope to ENC1 OUT and then adjust VR16 so that the burst signal phase B is on specified burst position on the screen.

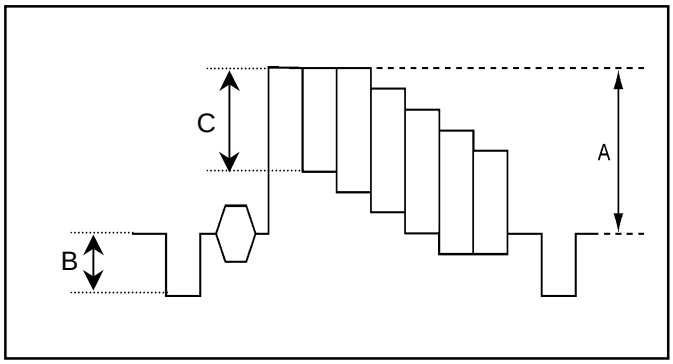


7-3. ENC OUT Level Adjustment

BOARD	BS DIGITAL
TP	ENC1 OUT, ENC2 OUT, ENC3 OUT,
ADJ.	VR8 [SYNC 1] VR9, VR11, VR13 [CHROMA 1- 3] VR10, VR12, VR14 [ENC 1- 3]
INPUT	AJ-BS900H Internal Color bar signal : ON
M. EQ	Oscilloscope (with 75Ω termination)
SPEC.	As shown below

ENC 1 OUT Adjustment

1. Connect Oscilloscope to ENC1 OUT and then adjust VR10 so that the signal level A is 700mV +/- 7mV.
2. Connect Oscilloscope to ENC1 OUT and then adjust VR8 so that the sync signal level B is 300mV +/- 3mV.
3. Connect Oscilloscope to ENC1 OUT and then adjust VR9 so that the Color signal level C is the same level with luminance signal.



ENC 2 OUT Adjustment

4. Connect Oscilloscope to ENC2 OUT and then adjust VR12 so that the signal level A is 700mV +/- 7mV.
5. Connect Oscilloscope to ENC2 OUT and then adjust VR11 so that the color signal level C is the same level with luminance signal.

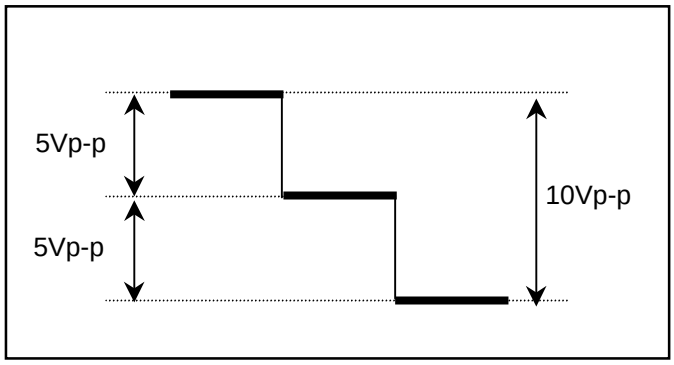
ENC 3 OUT Adjustment

6. Connect Oscilloscope to ENC3 OUT and then adjust VR14 so that the signal level A is 700mV +/- 7mV.
7. Connect Oscilloscope to ENC3 OUT and then adjust VR13 so that the color signal level C is the same level with luminance signal.

7-4. Stair Signal Level Adjustment

BOARD	BS DIGITAL
TP	VFK1671 : A45 pin
ADJ.	VR3 [STAIR BAL], VR4 [STAIR GAIN]
INPUT	------
M. EQ	Oscilloscope (with 75Ω termination)
SPEC.	As shown below

1. Set MON SEL Knob on the front panel of AJ-BS900H as shown below.
   MON SEL : SEQ
2. Extend BS DIGITAL Board with extension board (VFK1671).
3. Connect Oscilloscope to A45pin on the VFK1671 and then adjust VR4 so that the signal level is 10Vp-p.
4. Connect Oscilloscope to A45pin on VFK1671 and then adjust VR3 and VR4 so that the step duty is 5Vp-p each.



7-5. PIX, WFM Output Level Adj.

BOARD	BS DIGITAL
TP	PIX OUT, WFM OUT
ADJ.	VR1 [PIX GAIN], VR2 [WFM GAIN] VR15 [MON ENC GAIN]
INPUT	AJ-BS900H Internal Color bar signal
M. EQ	Oscilloscope (With 75 Ω termination)
SPEC.	A = 700mVp-p +/- 1%

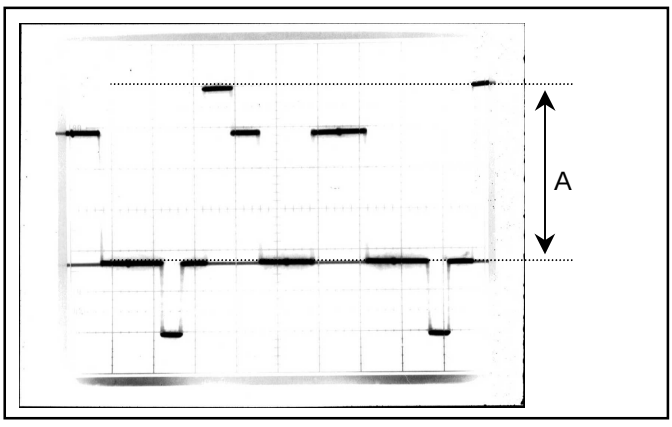
Setting for PIX OUT

1. Set MON SEL SW on the front panel of AJ-BS900H as shown below.
   MON SEL : SEQ
2. Connect Oscilloscope to PIX OUT connector and then adjust VR1 so that the signal level A is within the specification.

Setting for WFM OUT

3. Set MON SEL SW on the front panel of AJ-BS900H as shown below.
   MON SEL : SEQ
4. Connect Oscilloscope to WFM OUT connector and then adjust VR2 so that the signal level A is within the specification.

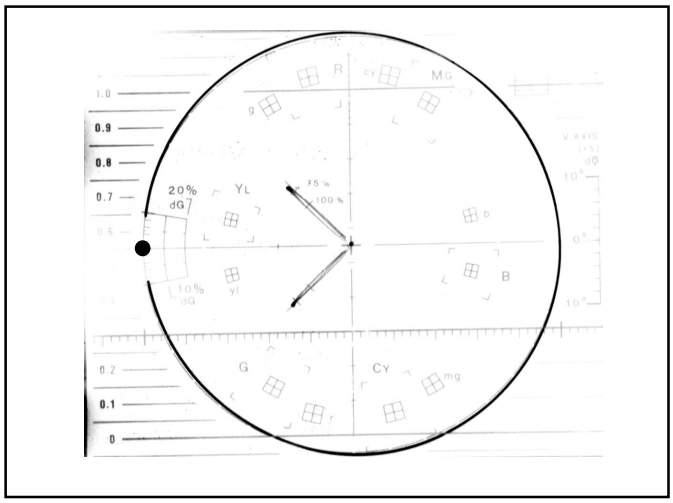
5. Set MON SEL SW on the front panel of AJ-BS900H as shown below.
   MON SEL : ENC
6. Connect Oscilloscope to WFM OUT connector and then adjust VR15 so that the signal level A is within the specification.



7-6. SCH Adjustment

BOARD	BS AUDIO
TP	ENC1 OUT
ADJ.	VR17 [SCH]
INPUT	------
M. EQ	SCH Meter (With 75 Ω termination)
SPEC.	SCH = 0 ° +/- 10 °

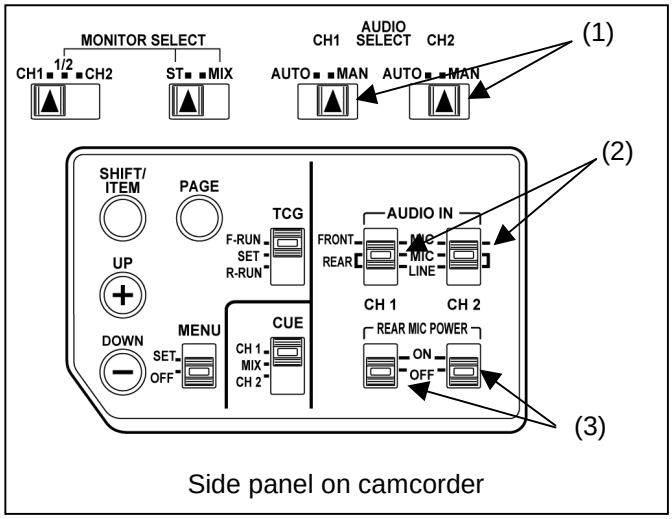
1. Set Genlock mode of AJ-BS900H to Internal (No signal input from GENLOCK IN Connector).
2. Connect SCH Meter to ENC1 OUT connector and then adjust VR17 so that the SCH is within the specification.



7-7. MIC Level Adjustment

BOARD	BS AUDIO
TP	AUDIO OUT 1CH, AUDIO OUT 2CH
ADJ.	VR10 [LVL], VR11 [LVL]
INPUT	As shown below
M. EQ	Audio Analyzer
SPEC.	CH1 = 0dBu +/- 1dB, CH2 = 0dBu +/- 1dB

1. Set audio control switches on the DVCPRO camcorder are shown below.
   (1) AUDIO SELECT (CH1, CH2) : MAN
   (2) AUDIO IN (CH1, CH2) : REAR MIC
   (3) REAR MIC POWER (CH1, CH2) : OFF
   (4) AUDIO CH FRONT VR : MAX.



Side panel on camcorder

Audio Analyzer's setting

2. Connect AUDIO IN CH1 connector of camcorder to OUTPUT A connector of audio analyzer.
3. Set output parameters of Audio analyzer as shown below.
   FUNCTION : OSC
   FREQUENCY RANGE : X100
   OUTPUT MODE : A
   OUTPUT LEVEL : -60dBm
   FREQUENCY : 1000Hz
   LEVEL METER : 0dBm
   LOAD : ON
4. Connect AUDIO OUT connector of camcorder to INPUT A connector of audio analyzer.
5. Set input parameters of audio analyzer as shown below.
   FUNCTION : LM
   INPUT IMPEDANCE : 10kΩ
   FILTER : FLAT
   LM/DM RANGE : AUTO
6. Adjust AUDIO LEVEL VR CH1 and CH2 so that the output levels of camcorder (CH1 and CH2) are within the specification.

MIC Level Adjustment

7. Connect AUDIO OUT CH1 connector of AJ-BS900H to INPUT A connector of audio analyzer.
8. Adjust VR10 so that the AUDIO OUT level of CH1 is within the specification.
9. Connect AUDIO OUT CH2 connector of AJ-BS900H to INPUT A connector of audio analyzer.
10. Adjust VR11 so that the AUDIO OUT level of CH1 is within the specification.

7-8. INCOM Level Adjustment CA900H → BS900H

BOARD	CAM POWER, CAM INCOM
TP	AJ-BS900H COMMUNICATION TERMINAL 6pin, 7pin
ADJ.	VR2 [ENG GAIN] : CAM POWER VR1 [MIC LVL] : CAM INCOM
INPUT	AJ-CA900H INCOM connector
M. EQ	Audio Analyzer
SPEC.	0 +/- 1dBm

SW Setting

1. Set switches on the BS AUDIO BOARD and CAM INCOM BOARD as follows.

SW	Setting	BOARD
SW1 [ENG]	4W	BS AUDIO
SW2 [ENG RTS LOAD]	ON	BS AUDIO
SW1 [DM/CM]	CM	CAM INCOM
MIC SW	ON	CA900H Side panel

Output Setting

2. Connect INCOM connector 4 pin [INCOM RECEIVE (H)] and 5pin [PGM/RECEIVE (C)] of AJ-CA900H to OUTPUT A connector of audio analyzer.
3. Set Output parameters of audio analyzer as shown below.

   FUNCTION : OSC
   FREQUENCY RANGE : X100
   OUTPUT MODE : A
   OUTPUT LEVEL : -10dB
   FREQUENCY : 1000Hz
   LEVEL METER : 0dBm
   LOAD : OFF

Input Setting

4. Connect communication terminal 6 pin [ENG TO L (H)] and 7pin [ENG TO L (C)] of AJ-BS900H to INPUT A connector of audio analyzer.
5. Set input parameters of audio analyzer as shown below.

   FUNCTION : LM
   INPUT IMPEDANCE : 600Ω
   FILTER : FLAT
   LM/DM RANGE : AUTO

6. Adjust VR2 so that the audio level is within the specification.

7. Set SW1 on the CAM INCOM BOARD as follows.

SW	Setting	BOARD
SW1 [DM/CM]	DM	CAM INCOM

8. Set output parameter of audio analyzer as shown below.

   OUTPUT LEVEL : -55dB

9. Adjust VR1 so that the audio level is within the specification.

7-9. Side tone Level Adjustment (BS900H, CA900H)

BOARD	CAM POWER, CAM INCOM, BS AUDIO, BS INCOM
TP	AJ-CA900H, BS900H INCOM connector
ADJ.	AJ-CA900H INCOM level knob (on Side panel) VR3 [ENG SIDE TONE] : CAM POWER VR5 [BS SIDE TONE] : BS AUDIO
INPUT	AJ-CA900H, BS900H INCOM connector
M. EQ	Audio Analyzer
SPEC.	A = -6 +/- 1dBm

SW Setting

1. Set switches on the CAM INCOM BOARD as shown below.

SW	Setting	BOARD
SW1 [DM/CM]	CM	CAM INCOM
MIC SW	ON	CA900H side panel
SW1 [ENG]	4W	BS AUDIO
SW2 [ENG RTS LOAD]	ON	BS AUDIO
SW2 [DM/CM]	CM	BS INCOM
INCOM OUT SW	OFF	BS900H front panel

Output Setting

2. Connect INCOM connector 4 pin [INCOM RECEIVE (H)] and 5pin [PGM/RECEIVE (C)] of AJ-CA900H to OUTPUT A connector of audio analyzer.
3. Set output parameters of audio analyzer as shown below.

FUNCTION	: OSC
FREQUENCY RANGE	: X100
OUTPUT MODE	: A
OUTPUT LEVEL	: -10dB
FREQUENCY	: 1000Hz
LEVEL METER	: 0dBm
LOAD	: OFF

INPUT Setting

4. Connect INCOM connector 1 pin [GND] and 2 pin [INCOM TALK] of AJ-CA900H to INPUT connector of audio analyzer.
5. Set input parameters of audio analyzer as shown below.

FUNCTION	: LM
INPUT IMPEDANCE	: 10kΩ
FILTER	: FLAT
LM/DM RANGE	: AUTO

6. Adjust INCOM level knob of AJ-CA900H so that the audio level is “0 +/- 0.5dBm”.
7. Adjust VR3 [ENG SIDE TONE] so that the side tone audio level A is within the specification.
8. Connect INCOM connector 4pin [INCOM RECEIVE (H)] and 5pin [PGM/RECEIVE (C)] of AJ-BS900H to OUTPUT A connector of audio analyzer.
9. Connect INCOM connector1pin [GND] and 2pin [INCOM TALK] of AJ-BS900H to INPUT A connector of audio analyzer.
10. Confirm parameter setting of audio analyzer as follows.

Output Setting

FUNCTION	: OSC
FREQUENCY RANGE	: X100
OUTPUT MODE	: A
OUTPUT LEVEL	: -10dB
FREQUENCY	: 1000Hz
LEVEL METER	: 0dBm
LOAD	: OFF

Input Setting

FUNCTION	: LM
INPUT IMPEDANCE	: 10kΩ
FILTER	: FLAT
LM/DM RANGE	: AUTO

11. Adjust VR5 [BS SIDE TONE] so that the side tone audio level A is within the specification.

7-10. INCOM Level Adjustment (BS900H → CA900H)

BOARD	BS AUDIO, CAM INCOM
TP	AJ-BS900H COMMUNICATION TERMINAL 6pin, 7pin
ADJ.	VR2 [2W] : BS AUDIO VR4 [RTS LVL] : BS AUDIO
INPUT	AJ-CA900H INCOM connector
M. EQ	Audio Analyzer
SPEC.	A = 0 +/- 1dBm

SW Setting

1. Set switches in AJ-CA900H and AJ-BS900H as shown below.

SW	Setting	BOARD
SW1 [DM/CM]	CM	CAM INCOM
SW1 [ENG]	2W	BS AUDIO
SW2 [ENG RTS LOAD]	ON	BS AUDIO
SW2 [DM/CM]	CM	BS INCOM
MIC SW	ON	CA900H side plate

Output Setting

2. Connect communication terminal 6 pin [ENG TO L (H)] and 7 pin [ENG TO L (C)] of AJ-BS900H to OUTPUT A of audio analyzer.
3. Set output parameters of audio analyzer as shown below.

FUNCTION	: OSC
FREQUENCY RANGE	: X100
OUTPUT MODE	: A
OUTPUT LEVEL	: 0dB
FREQUENCY	: 1000Hz
LEVEL METER	: 0dBm
LOAD	: OFF

Input Setting

4. Connect INCOM connector 1pin [GND] and 2 pin [INCOM TALK] of AJ-CA900H to INPUT A connector of audio analyzer.
5. Set input parameters of audio analyzer as shown below.

FUNCTION	: LM
INPUT IMPEDANCE	: 10kΩ
FILTER	: FLAT
LM/DM RANGE	: AUTO

6. Adjust VR2 so that the audio level A is within the specification.

7. Set switch on BS AUDIO BOARD as follows.

SW	Setting	BOARD
SW1 [ENG]	RTS	BS AUDIO

8. Adjust VR4 so that the audio level A is within the specification.

8. CAM POWER, CAM DIGITAL

8-1. Power Voltage Adjustment

BOARD	CAM POWER
TP	VFK1194 A10pin, A13pin, A16pin, A20pin, GND : A78pin
ADJ.	VR1 [V ADJ]
INPUT	------
M. EQ	D.V.M
SPEC.	As shown below

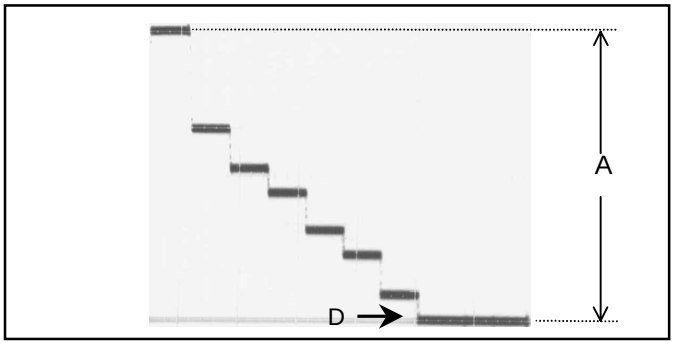
1. Extend CAM POWER Board with VFK1194.
2. Connect D.V.M. to following test-points and then adjust VR1 so that the each voltage is within the specification.

TP	Specification
A10pin	5.00V +/- 0.15V
A13pin	3.30V +/- 0.10V
A16pin	12.00V +/- 0.40V
A20pin	-5.60V +/- 0.17V

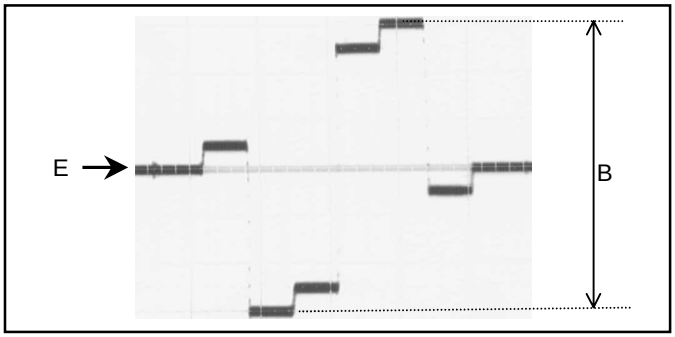
8-2. Video Signal Level Adjustment

BOARD	CAM DIGITAL
TP	AJ-BS900H : Y/G, PR/R, PB/B OUT
ADJ.	VR1 [Y/G GAIN], VR2 [Y/G CLAMP DC] VR3 [PR/R GAIN], VR4 [PR/R CLAMP DC] VR5 [PB/B GAIN], VR6 [PB/B CLAMP DC]
INPUT	AJ-CA900H Internal Color bar signal : ON
M. EQ	Oscilloscope
SPEC.	A = 700mV +/- 7mV B = 525mV +/- 5.25mV C = 525mV +/- 5.25mV

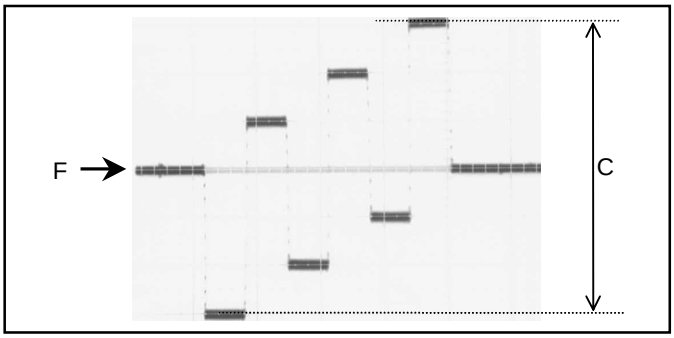
1. Press “CALL” Button and “BARS” Button on front panel of AJ-BS900H simultaneously. (AJ-CA900H Internal color bar signal output mode.)
2. Connect Oscilloscope to Y/G OUT and then adjust VR1 so that the signal level A is within the specification.
3. Adjust VR2 so that the step D (“→” portion) become no step.



4. Connect Oscilloscope to PR/R OUT and then adjust VR3 so that the signal level B is within the specification.
5. Adjust VR4 so that the step E (“→” portion) become no step.



6. Connect Oscilloscope to PB/B OUT and then adjust VR5 so that the signal level C is within the specification.
7. Adjust VR6 so that the step F (“→” portion) become no step.



⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

AJ-CA900P/ AJ-CA900HP

Specifications

Input:	**100 V DC (supplied by AJ-BS900HP)**
	DC 12V IN (DC 11.5 V to 17.0 V)
Power consumption:	**BS Input 100 V : 450 mA**
	EXT Input : 3.2 A

External dimensions (W × H × D):	6-3/16″ × 7-5/16″ × 6-5/8″ (156.5 × 185 × 168 (mm))
Weight:	4.62 lbs (2.1 kg)
Operating temperature range:	32 °F to 104 °F (0 °C to 40 °C)
Storage temperature range:	–4 °F to 131 °F (–20 °C to +55 °C)
Operating humidity:	85% or less
Storage humidity:	0% to 90%

Transfer block

Signal transfer rate:	360 Mbps (AJ-CA900HP to AJ-BS900HP)
Transfer distance:	300 m with diameter 8.6 mm cable (Fujikura) 500 m with diameter 14.5 mm cable (Fujikura)

Video transfer rate

Y signal:	18 MHz sampling rate, 10-bit
R-Y signal:	9 MHz sampling rate, 10-bit
B-Y signal:	9 MHz sampling rate, 10-bit
RET signal:	FM modulation
Prompt signal:	FM modulation

Audio transfer rate

Signals from camera to base station:	46.875 kHz sampling rate, 16-bit
Signals from base station to camera:	11.71875 kHz sampling rate, 16-bit

Intercom

Microphone selection:	Switchable between dynamic microphone and carbon microphone
I/O level:	4-line/2-line: 0 dBm (600 Ω, balanced) RTS: 1 Vp-p (200 Ω) PGM: 0 dB (600 Ω, balanced)
Format:	Selectable between 4-line, 2-line, and RTS
Lines:	Base station to camera: 2 lines (ENG, PGM) Camera to base station: 1 line (ENG)
S/N ratio:	50 dB or more (base station to camera) (camera to base station)
Distortion:	1.0% or less
Frequency range:	100 Hz to 10 kHz (± 3 dB) (camera to base station) 100 Hz to 5.5 kHz (± 3 dB) (base station to camera)
Dynamic range:	12 dB or more

Video system

Teleprompt output (PROMPT):	1 Vp-p (1 Vp-p input to AJ-BS900HP)
RET output:	1 Vp-p (1 Vp-p input to AJ-BS900HP)
Input connectors:	Intercom connector: XLR 5-pin External power supply input connector: XLR 4-pin RET SW connector: 8-pin
Output connectors:	Teleprompt output connector (PROMPT): BNC VBS, 1 Vp-p, 75 Ω EXT output connector: XLR 4-pin RET signal output connector (RET): BNC VBS, 1 Vp-p, 75 Ω PGM audio output connector: XLR 3-pin

Specifications

Input:	**100 V DC (supplied by AJ-BS900HEN)**
	DC 12 V IN (DC 11,5 V to 17,0 V)
Power consumption:	**BS Input 100 V : 450 mA**
	EXT Input : 3,2 A

External dimensions (W × H × D):	156,5 × 185 × 168 (mm)
Weight:	2,1 kg
Operating temperature range:	0°C to 40°C
Storage temperature range:	–20°C to +55°C
Operating humidity:	85% or less
Storage humidity:	0% to 90%

Transfer block

Signal transfer rate:	360 Mbps (AJ-CA900HEN to AJ-BS900HEN)
Transfer distance:	300 m with diameter 8,6 mm cable (Fujikura) 500 m with diameter 14,5 mm cable (Fujikura)

Video transfer rate

Y signal:	18 MHz sampling rate, 10-bit
R-Y signal:	9 MHz sampling rate, 10-bit
B-Y signal:	9 MHz sampling rate, 10-bit
RET signal:	FM modulation
Prompt signal:	FM modulation

Audio transfer rate

Signals from camera to base station:	46,875 kHz sampling rate, 16-bit
Signals from base station to camera:	11,71875 kHz sampling rate, 16-bit

Intercom

Microphone selection:	Switchable between dynamic microphone and carbon microphone
I/O level:	4-line/2-line: 0 dBm (600 Ω, balanced) RTS: 1 Vp-p (200 Ω) PGM: 0 dB (600 Ω, balanced)
Format:	Selectable between 4-line, 2-line, and RTS
Lines:	Base station to camera: 2 lines (ENG, PGM) Camera to base station: 1 line (ENG)
S/N ratio:	50 dB or more (base station to camera) (camera to base station)
Distortion:	1,0% or less
Frequency range:	100 Hz to 10 kHz (± 3 dB) (camera to base station) 100 Hz to 5,5 kHz (± 3 dB) (base station to camera)
Dynamic range:	12 dB or more

Video system

Teleprompt output (PROMPT):	1 Vp-p (1 Vp-p input to AJ-BS900HEN)	
RET output:	1 Vp-p (1 Vp-p input to AJ-BS900HEN)	
Input connectors:	Intercom connector:	XLR 5-pin
	External power supply input connector:	XLR 4-pin
	RET SW connector:	8-pin
Output connectors:	Teleprompt output connector: (PROMPT)	BNC VBS, 1 Vp-p, 75 Ω
	EXT output connector:	XLR 4-pin
	RET signal output connector: (RET)	BNC VBS, 1 Vp-p, 75 Ω
	PGM audio output connector:	XLR 3-pin

Specifications

Input: 120 V AC, 50/60 Hz, 180 W
(EXT IN DC 11.0 to 17.0 V, 12 A)
Output: 100 V DC, 850 mA

Indicates safety-related items.

External dimensions (W × H × D):	8-5/16″ × 5-3/16″ × 15-1/4″ (211 × 131.5 × 387.5 (mm))
Weight:	20.68 lbs (9.4 kg)
Operating temperature range:	32 °F to 72 °F (0 °C to 40 °C)
Storage temperature range:	14 °F to 122 °F (–10 °C to +50 °C)
Operating humidity:	85% or less
Storage humidity:	10% to 90%

Transfer block

Signal transfer rate:	360 Mbps (AJ-CA900HP to AJ-BS900HP)
Transfer distance:	300 m with diameter 8.6 mm cable (Fujikura)
	500 m with diameter 14.5 mm cable (Fujikura)

Video transfer rate

Y signal:	18 MHz sampling rate, 10-bit
R-Y signal:	9 MHz sampling rate, 10-bit
B-Y signal:	9 MHz sampling rate, 10-bit
RET signal:	FM modulation
Prompt signal:	FM modulation

Audio transfer rate

Signals from camera to base station:	46.875 kHz sampling rate, 16-bit
Signals from base station to camera:	11.71875 kHz sampling rate, 16-bit

Analog video output signals

Frequency range:	Y, ENC:	60 Hz to 8 MHz (± 3 dB)
Frequency range:	P , P_B:	60 Hz to 4 MHz (± 3 dB)
Component signal switching:	Y1, P , and P_B switchable to G, R, and B	
Sync switching:	Y/G:	Sync addition switchable (on/off)
	P , P_B/R, B:	No sync addition
Signal level:	ENC:	VBS, 1V_{P-P}, 75 Ω
	Y:	VS, 1V_{P-P}, 75 Ω
	P , P_B:	757mV_{P-P}, 75 Ω
	G:	VS, 1V_{P-P}, 75 Ω
	R, B:	714mV_{P-P}, 75 Ω
	WFM:	VS, VBS, 1V_{P-P}, 75 Ω
	PIX:	VS, VBS, 1V_{P-P}, 75 Ω

Analog microphone output signal

Frequency range:	50 Hz to 20 kHz (± 3 dB)
Distortion:	0.5%
Dynamic range:	18 dB (at 1% distortion)
Output level:	0 dB (switchable between 0 and –20 dBm)

Specifications

Intercom

Microphone selection:	Switchable between dynamic microphone and carbon microphone	
I/O level:	4-line/2-line:	0 dBm (600 Ω, balanced)
	RTS:	1 V_{P-P} (200 Ω)
	PGM:	0 dB (600 Ω, balanced)
Format:	Selectable between 4-line, 2-line, and RTS	
Lines:	Base station to camera: 2 lines (ENG, PGM)	
	Camera to base station: 1 line (ENG)	
S/N ratio:	50 dB or more (base station to camera) (camera to base station)	
Distortion:	1.0% or less	
Frequency range:	100 Hz to 10 kHz (± 3 dB) (camera to base station)	
	100 Hz to 5.5 kHz (± 3 dB) (base station to camera)	
Dynamic range:	12 dB or more	

Analog video input signals

GEN LOCK input signal:	VBS: 1 V_{P-P}, 75 Ω, positive polarity
	BBS: 0.45 V_{P-P}, 75 Ω, positive polarity
RET1, RET2 input signals:	VBS: 1 V_{P-P}, 75 Ω, positive polarity
Prompt input signal:	VBS: 1 V_{P-P}, 75 Ω, positive polarity

Tally

Input:	DC 12 V voltage supply, switchable contacts
Output:	Open collector type, maximum input current 10 mA, voltage DC 12 V

Sync signal

Standard:	RS-170A
Horizontal phase adjustment range:	–2 µs to +8 µs
SC lock range:	3.579545 MHz ± 20 Hz
SC variable range:	360°

Input connectors

GEN LOCK input:	BNC, 75 Ω, bridged
RET1, RET2:	BNC, 75 Ω, bridged
Prompt input signal:	BNC, 75 Ω, bridged
Tally input:	5-pin (balanced)
Communication:	24-pin
External power supply input:	XLR 4-pin
AC input:	3-pin

Output connectors

ENC output:	3 lines, BNC, 75 Ω
Communication output:	1 line, BNC, 75 Ω
PIX output:	1 line, BNC, 75 Ω
WFM output:	1 line, BNC, 75 Ω
Audio output:	2 lines, XLR 3-pin, 600 Ω (balanced)
Tally output:	5-pin, open collector (low during tally input)
WFM control output:	7-pin
Digital component output, 2-lines:	BNC, 75 Ω (activated when optional AJ-YA901 unit is installed)

Specifications

Input: 220 - 240 V AC, 50/60 Hz, 170 W
(EXT IN 11.5 to 17.0 V DC, 12 A)
Output: 100 V DC, 850 mA

▭ Indicates safety-related items.

External dimensions (W × H × D):	211 × 131,5 × 387,5 (mm)
Weight:	9,4 kg
Operating temperature range:	0 °C to 40 °C
Storage temperature range:	–10 °C to +50 °C
Operating humidity:	85% or less
Storage humidity:	10% to 90%

Transfer block

Signal transfer rate:	360 Mbps (AJ-CA900HEN to AJ-BS900HEN)
Transfer distance:	300 m with diameter 8,6 mm cable (Fujikura)
	500 m with diameter 14,5 mm cable (Fujikura)

Video transfer rate

Y signal:	18 MHz sampling rate, 10-bit
R-Y signal:	9 MHz sampling rate, 10-bit
B-Y signal:	9 MHz sampling rate, 10-bit
RET signal:	FM modulation
Prompt signal:	FM modulation

Audio transfer rate

Signals from camera to base station:	46,875 kHz sampling rate, 16-bit
Signals from base station to camera:	11,71875 kHz sampling rate, 16-bit

Analog video output signals

Frequency range:	Y, ENC:	60 Hz to 8 MHz (± 3 dB)
Frequency range:	P_R, P_B:	60 Hz to 4 MHz (± 3 dB)
Component signal switching:	Y1, P_R, and P_B switchable to G, B, and R	
Sync switching:	Y/G:	Sync addition switchable (on/off)
	P_R , P_B/R, B:	No sync addition
Signal level:	ENC:	VBS, 1 V_{P-P}, 75 Ω
	Y:	VS, 1 V_{P-P}, 75 Ω
	P_R , P_B:	525 mV_{P-P}, 75 Ω
	G:	VS, 1 V_{P-P}, 75 Ω
	R, B:	714 mV_{P-P}, 75 Ω
	WFM:	VS, 1 V_{P-P}, 75 Ω
	PIX:	VS, 1 V_{P-P}, 75 Ω

Analog microphone output signal

Frequency range:	50 Hz to 20 kHz (± 3 dB)
Distortion:	0,5%
Dynamic range:	18 dB (at 1% distortion)
Output level:	0 dB (switchable between 0 and –20 dBm)

Specifications

Intercom

Microphone selection:	Switchable between dynamic microphone and carbon microphone
I/O level:	4-line/2-line: 0 dBm (600 Ω, balanced)
	RTS: 1 V_{P-P} (200 Ω)
	PGM: 0 dB (600 Ω, balanced)
Format:	Selectable between 4-line, 2-line, and RTS
Lines:	Base station to camera: 2 lines (ENG, PGM)
	Camera to base station: 1 line (ENG)
S/N ratio:	50 dB or more (base station to camera) (camera to base station)
Distortion:	1,0% or less
Frequency range:	100 Hz to 10 kHz (± 3 dB) (camera to base station)
	100 Hz to 5,5 kHz (± 3 dB) (base station to camera)
Dynamic range:	12 dB or more

Analog video input signals

GEN LOCK input signal:	VBS: 1 V_{P-P}, 75 Ω, positive polarity
	BBS: 0,45 V_{P-P}, 75 Ω, positive polarity
RET1, RET2 input signals:	VBS: 1 V_{P-P}, 75 Ω, positive polarity
Prompt input signal:	VBS: 1 V_{P-P}, 75 Ω, positive polarity

Tally

Input:	DC 12 V voltage supply, switchable contacts
Output:	Open collector type, maximum input current 10 mA, voltage DC 12 V

Sync signal

Horizontal phase adjustment range:	+ 2 µs to –8 µs
SC lock range:	4,43618 MHz ± 20 Hz
SC variable range:	360°

Input connectors

GEN LOCK input:	BNC, 75 Ω, bridged
RET1, RET2:	BNC, 75 Ω, bridged
Prompt input signal:	BNC, 75 Ω, bridged
Tally input:	5-pin (balanced)
Communication:	24-pin
External power supply input:	XLR 4-pin
AC input:	3-pin

Output connectors

ENC output:	3 lines, BNC, 75 Ω
Communication output:	1 line, BNC, 75 Ω
PIX output:	1 line, BNC, 75 Ω
WFM output:	1 line, BNC, 75 Ω
Audio output:	2 lines, XLR 3-pin, 600 Ω (balanced)
Tally output:	5-pin, open collector (low during tally input)
WFM control output:	7-pin
Digital component output, 2-lines:	BNC, 75 Ω (activated when optional AJ-YA901EN unit is installed)

AJ-RP900P/EN

Specifications

BS input	**:100 V DC, 850 mA max. (supplied from AJ-BS900)**
Power consumption	**:7 W**

Dimensions (W × H × D)	:	**125.5 × 90 × 225.5 (mm)**
Weight	:	**2.5 kg**
Allowable operating temperature	:	**0 °C to 40 °C**
Allowable storage temperature	:	**–20 °C to +55 °C**
Allowable operating humidity	:	**Max. 85%**
Allowable storage humidity	:	**0% to 90%**
Max. number of repeaters	:	**3 (when power to the camera adapter (AJ-CA900) is from an external source)** **1 (when power to the camera adapter (AJ-CA900) is not from an external source)**
S/N deterioration	:	**3 dB (typ.) per repeater**

AJ-YA901P/EN

Specifications

GENERAL

Weight:	170 g
Dimensions:	230 (W) x 113 (H) x 20 (D) mm

VIDEO OUTPUT

Serial digital output connectors:	BNC x 2
	SERIAL OUT 1: SDI output connector
	SERIAL OUT 2: SDI output connector
	SDI: Compliant with SMPTE 259M-C standard

AUDIO OUTPUT

Serial digital output connectors:	Compliant with SMPTE 259M-C/SMPTE 272M-A standards

AJ-YA600P

Specifications

Dimensions (W × H × D)	: 107.5 × 142 × 29 mm
Weight	: 0.3 kg

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

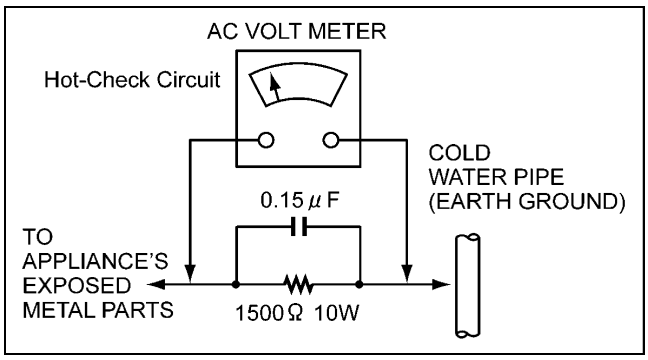


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

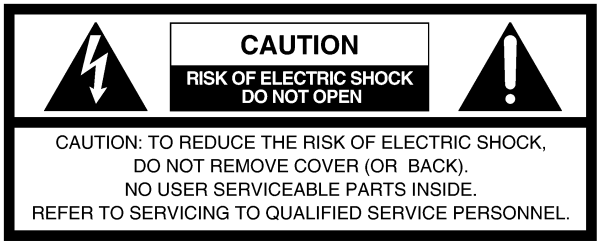
WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV,±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

Safety precautions





The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

FCC Note:

This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

Indicates safety-related items.

Safety precautions

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING.**
To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.
Refer servicing to qualified service personnel.

CAUTION:
Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

WARNING:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:
TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

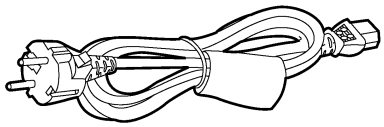
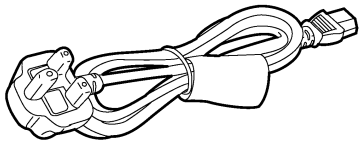
▭ indicates safety information.

Caution for AC Mains Lead

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.

Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

FOR CONTINENTAL EUROPE, ETC.	**FOR U.K. ONLY**
Not to be used in the U.K.	If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted.
	

FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 13 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark ⓐ or the BSI mark ♆ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

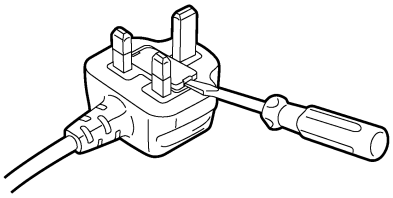
Green-and-Yellow:	Earth
Blue:	Neutra
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

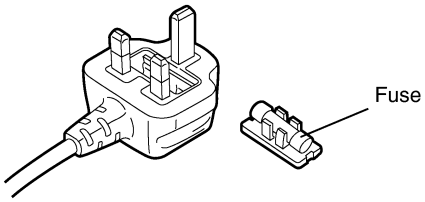
- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse

1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



Panasonic

FCD0201KAOE286/E287/E289/E335/E392

SECTION 1

SERVICE INFORMATION

CONTENTS

About the parts supply of specific circuit blocks INF-1
1. SERVICING FIXTURES & TOOLS INF-2
2. RECOMMENDED MEASURING INSTRUMENTS INF-2
3. SOFTWARE VERSION DISPLAY (AJ-BS900HP/EN) INF-3
3-1. Version Display Operation Procedure INF-3
3-2. How to Read the Version Display INF-3
4. PLD VERSION UPGRADE METHOD INF-4
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4-3. Boot up the Ver. Up software and Ver. Up procedure INF-6
5. INTERNAL SWITCH SETTING INF-11
6. CIRCUIT BOARD LAYOUT INF-12
7. TP, VR LOCATIONS INF-14

About the parts supply of specific circuit blocks

We supply only P.C. Board assemblies for the following circuit blocks, since some special measurement equipments are required for adjustment after individual components replacement.

Therefore, “Schematic diagrams”, “Circuit board diagrams” and “Parts list” are not contained in this Service manual for them.

And, please don’t adjust any VRs in them.

AJ-CA900HP/EN	CAM RF Board
	CAM FIL Board
AJ-BS900HP/EN	BS RF Board
AJ-RP900P/EN	All of boards in the unit

The Circuit blocks for P.C.Board exchange repair

1. SERVICING FIXTURES & TOOLS

NO	NEW	PART NO.	FIXTURE & TOOL NAME	REMARK
1		VFK1194	Extension Board	For AJ-CA900HP/EN
2	y	VFK1671	Extension Board	For AJ-BS900HP/EN
3	y	VFK1703	Extension Cable (It is required to extend the BS DIGITAL P.C.B.)	For AJ-BS900HP/EN
4		VFK1590	PLD Version upgrade tool (CPLD WRITER)	
5	y	VFK1590P2H	CPLD Writer Cable	For AJ-BS900HP/EN,YA901P/EN
6	y	VFK1590P2K	CPLD Writer Cable	For AJ-CA900HP/EN

1 VFK1194 Extension board (For AJ-CA900HP/EN) 	**2 VFK1671** Extension board (For AJ-BS900HP/EN) 	**3 VFK1703** Extension cable 	**4 VFK1590** PLD Version-up. tool 
5 VFK1590P2H CPLD Writer Cable 	**6 VFK1590P2K** CPLD Writer Cable 		

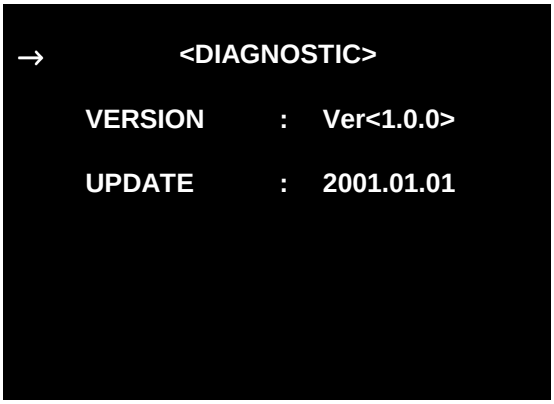
2. RECOMMENDED MEASURING INSTRUMENTS

MODEL NO. (Example)	NAME	REMARK
1760 (op. SC) or 1780R (NTSC) 1761 (op. SC) or 1781R (PAL)	SCH meter	Tektronix
	Waveform monitor	
	Vector scope	
	Oscilloscope	
	Digital voltmeter (D.V.M.)	
	Frequency counter	
	Audio analyzer	

3. SOFTWARE VERSION DISPLAY (AJ-BS900HP/EN)

3-1. Version Display Operation Procedure

1. Connect a TV monitor to PIX OUT connector on rear panel of the AJ-BS900HP/EN.
2. Press “SETUP Button” on the front panel of the AJ-BS900HP/EN. (Menu screen will be appeared)
3. Open “MAIN MENU 2/2” screen by “SETUP Knob” and then open “DIAGNOSTIC” menu screen.



3-2. How to Read the Version Display

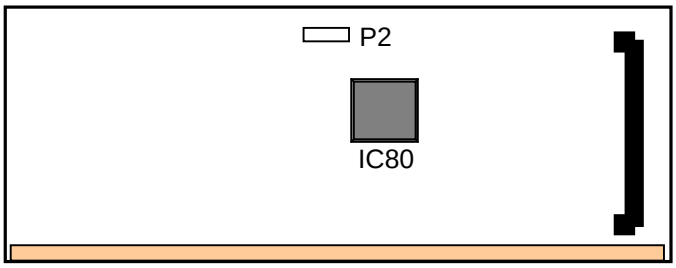
VERSION : Current Software version of Microprocessor. (IC72 on the BS AUDIO P.C.B)
UPDATE : A date of software version was Updated.

4. PLD VERSION UPGRADE METHOD

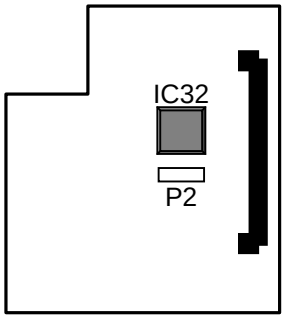
PLD (Programmable Logic Device) chips are used in the AJ-CA900HP/EN, AJ-BS900HP/EN and AJ-YA901P/EN. For version upgrade of them, please refer to the following procedure.

Model No.	Circuit board name	Connector	Target IC	PLD maker	Quantity
AJ-BS900HP/EN	BS DIGITAL	P2	IC80	ALTERA	1
	BS DIGITAL SUB	P1	IC1		
	BS DIGITAL SUB	P2	IC2		
	BS AUDIO	P3	IC61		
AJ-CA900HP/EN	CAM DIGITAL	P2	IC32		
AJ-YA901P/EN	BS-SDI	P3	IC18		
	BS-SDI	P3	IC19		

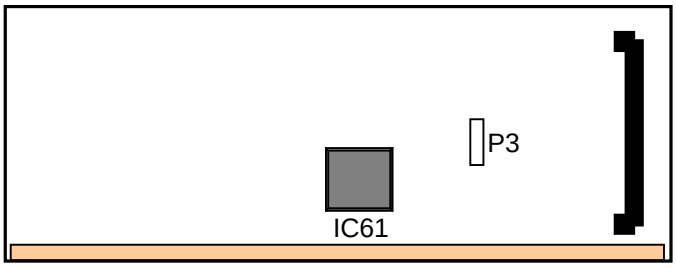
BS DIGITAL BOARD (VEP23518)



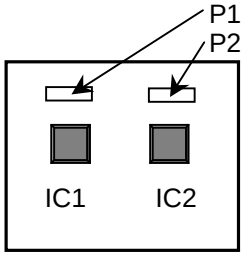
CAM DIGITAL BOARD (VEP23516)



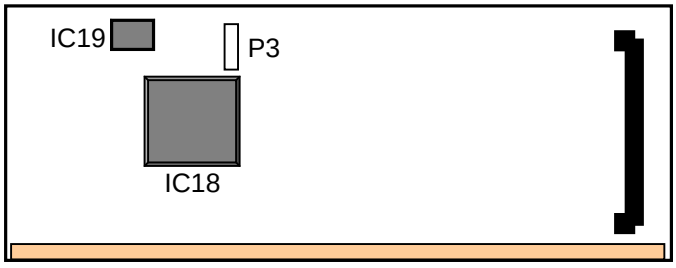
BS AUDIO BOARD (VEP24166)



BS DIGITAL SUB BOARD (VEP20885)



BS SDI BOARD (VEP23517)



4-1. Preparation

Equipment	Remark
CPLD WRITER	VFK1590 (Interface board) VFK1590P2G (Connection cable for AJ-BS900HP/EN and AJ-YA901P/EN) VFK1590P2H (Connection cable for AJ-CA900HP/EN)
D-sub 25pin-25pin Cable	Straight cable (Male - Female) , Length : Within 1 meter
Version Upgrade Software	MAX+plus II Software Please download from www.altera.com/pub/software/asap2.exe
Version Upgrade Data	TDF or POF file (Included in “vsi xxxx” file)
Personal Computer	With WINDOWS® 95 or 98

4-2. Connection

1. Connect the D-sub cable between CN201 (for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal computer (Printer port).
2. Connect the CPLD WRITER cable (VFK1590P2K or VFK1590P2H) between connector on objective PCB and P201 connector of CPLD WRITER. (Refer to Figure. 4-1.)
3. Turn On the power of AJ-BS900H, or AJ-CA900H and Personal computer (Windows® mode).

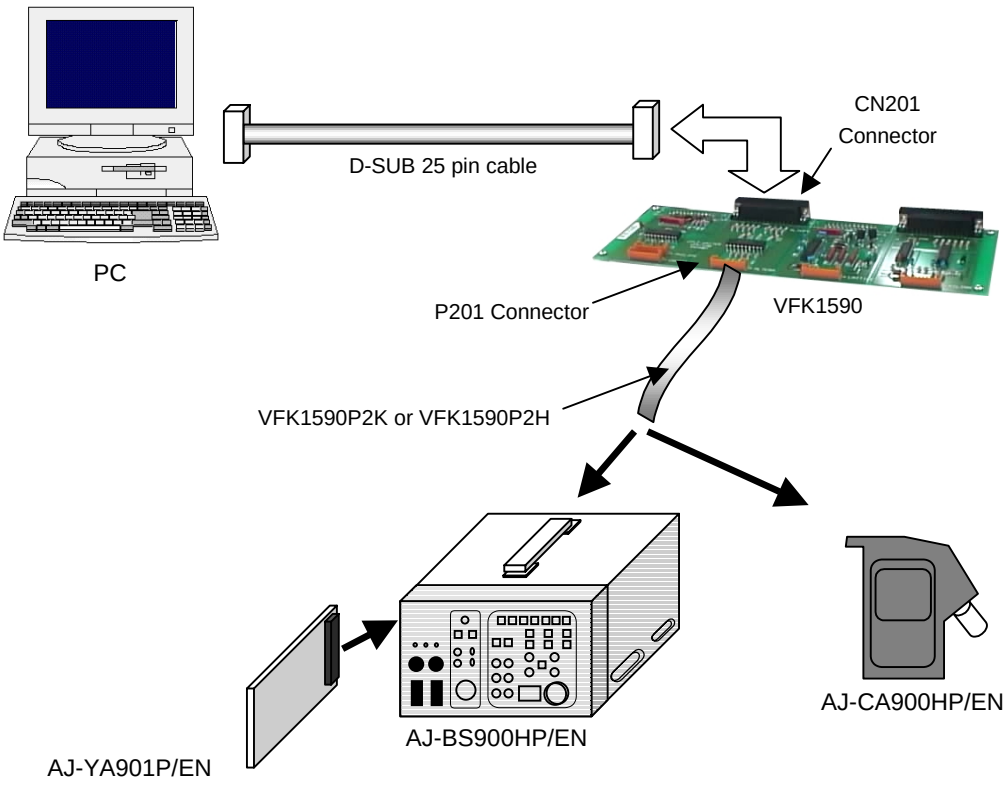
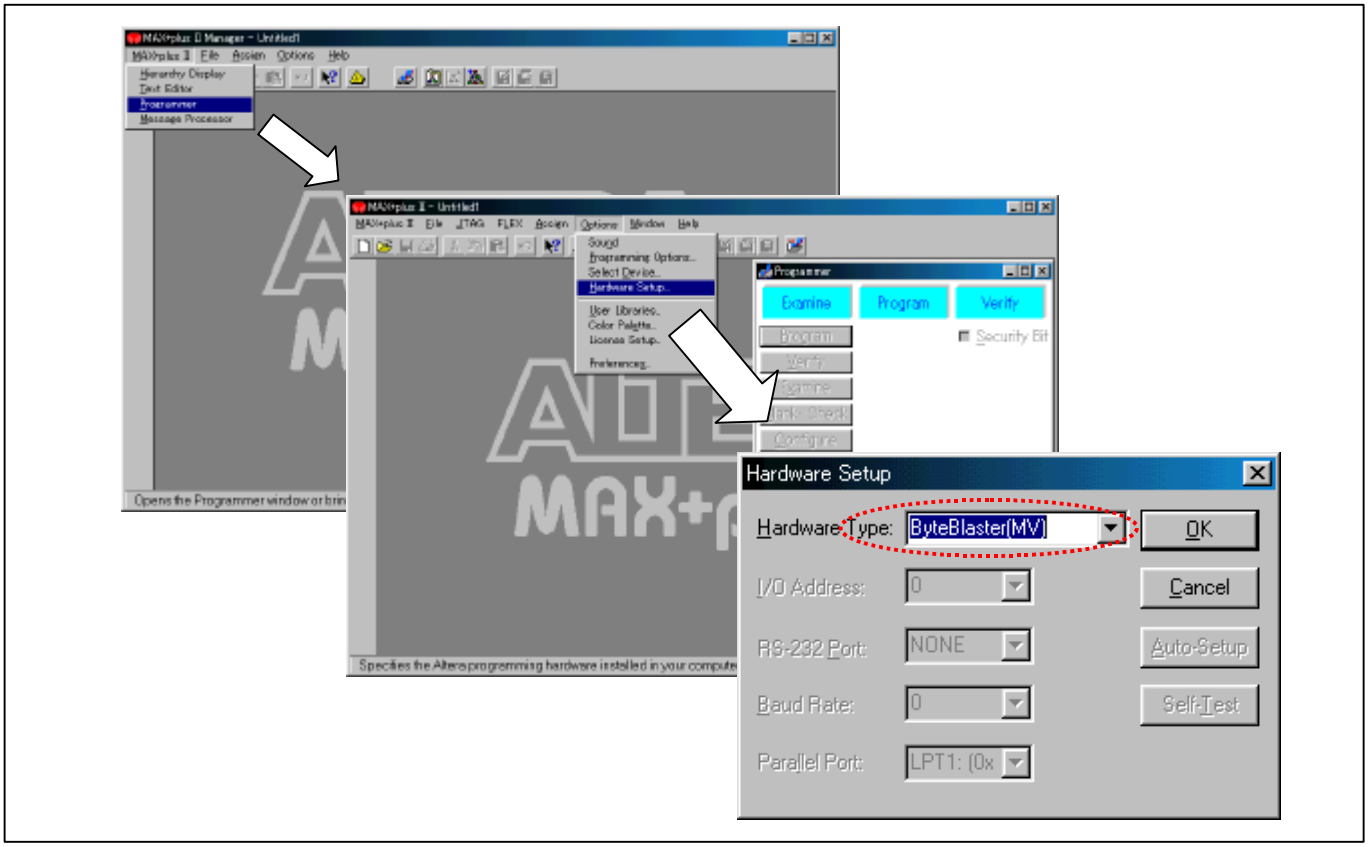


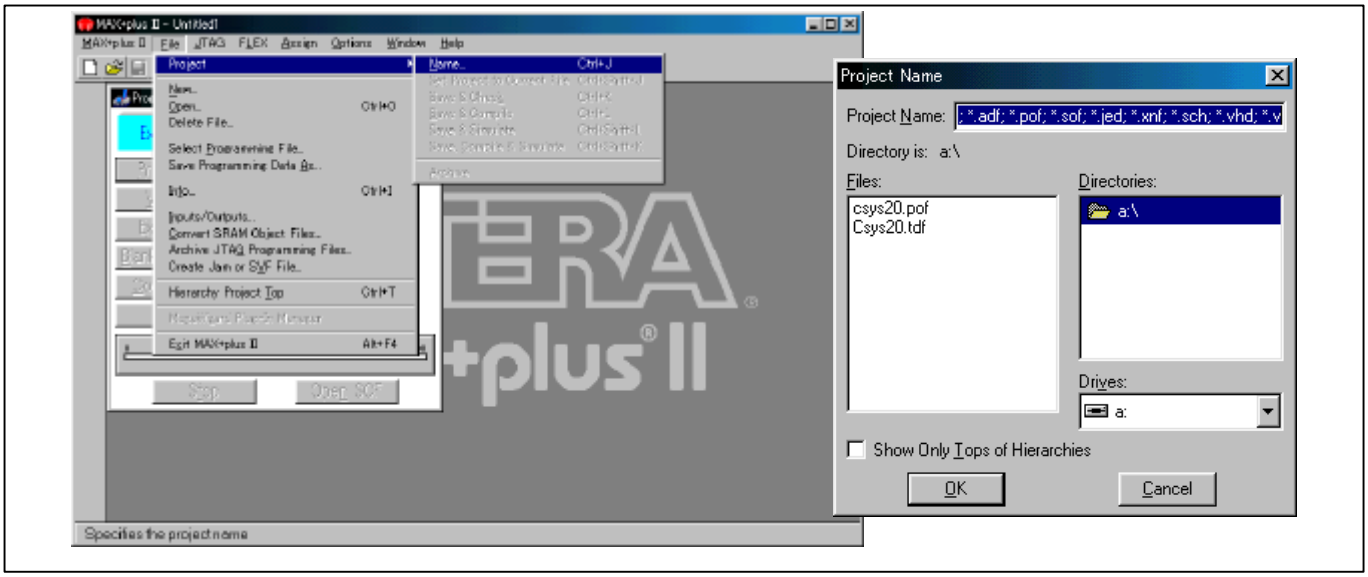
Fig. 4-1 Connection for CPLD version up

4-3. Boot up the Ver. Up software and Ver. Up procedure

1. Boot up the **“MAX+plus II 9.6 programmer only”** software.
2. On main window, select tab **“MAX+plus II”** and then **“Programmer”**.
3. On main window (programmer window is displayed), select tab **“Option”** and then **“Hardware setup”**.
4. On Hardware Setup dialog, set the **“Hardware Type”** to **“ByteBlaster (MV)”**.



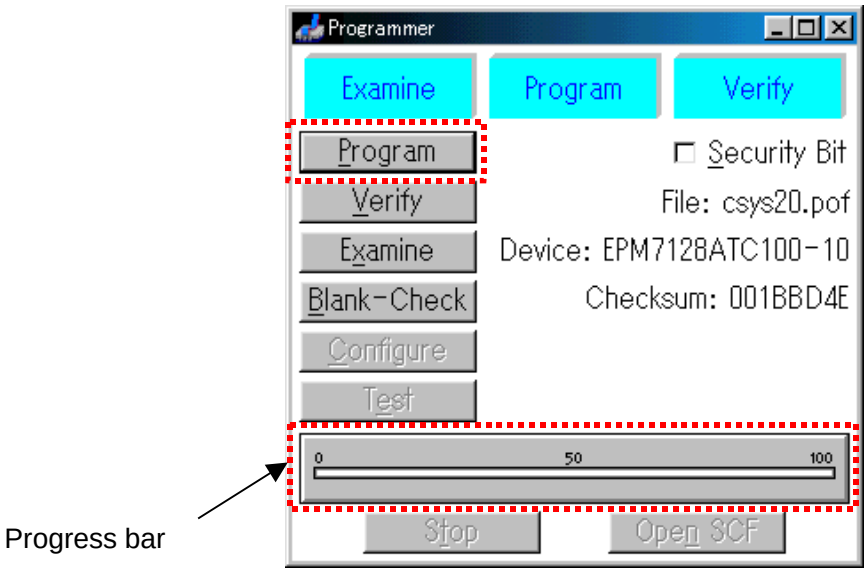
5. On main window, select tab **“File”** , **“Project”** and then **“Name”**.
6. On dialog of project Name, select the **“TDF format file”** or **“POF format file”** and then press **“OK”** button.

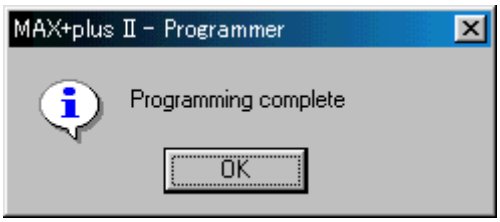


7. Press the “Program button” on programmer dialog.

* When progress bar reaches at the point of “100”, the message appears “Programming Complete”, then PLD version upgrade is completed.

8. Click “OK button” on the “Programming complete dialog” message dialog.





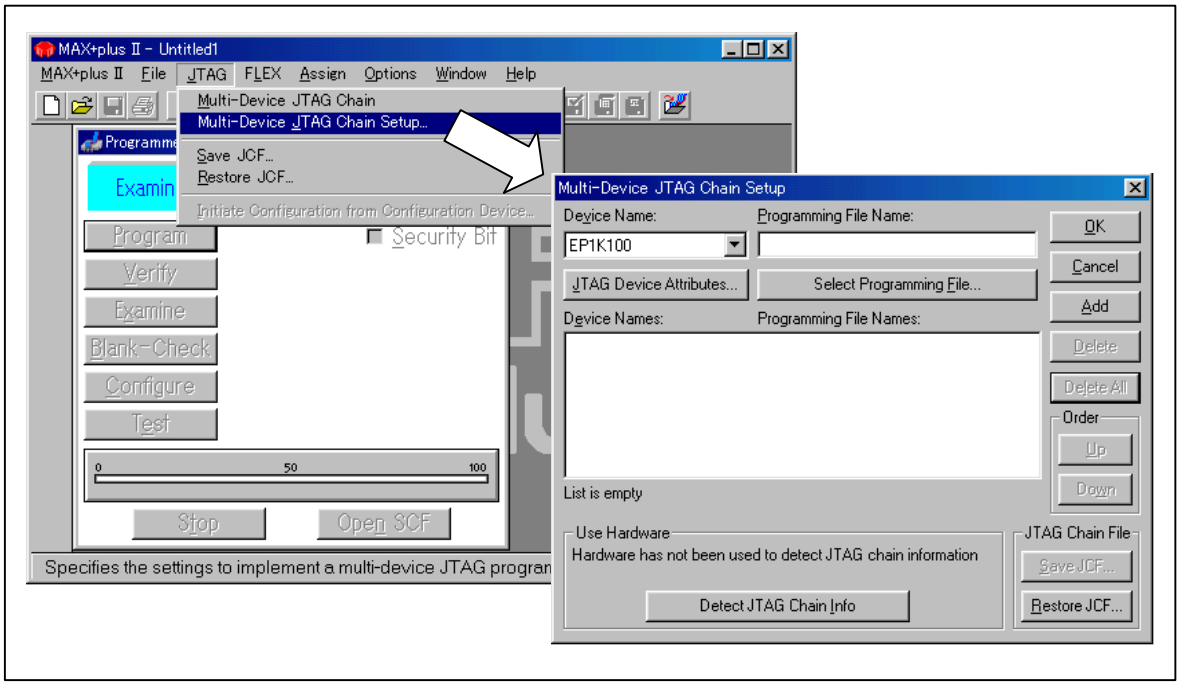
9. Turn OFF → ON the power of the AJ-BS900HP/EN or AJ-CA900HP/EN.
10. Confirm software version at DIAGNOSTIC menu page.

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* Windows® 95 and Windows® 98 are registered trade mark of Microsoft® corporation in the United States and/or other countries.

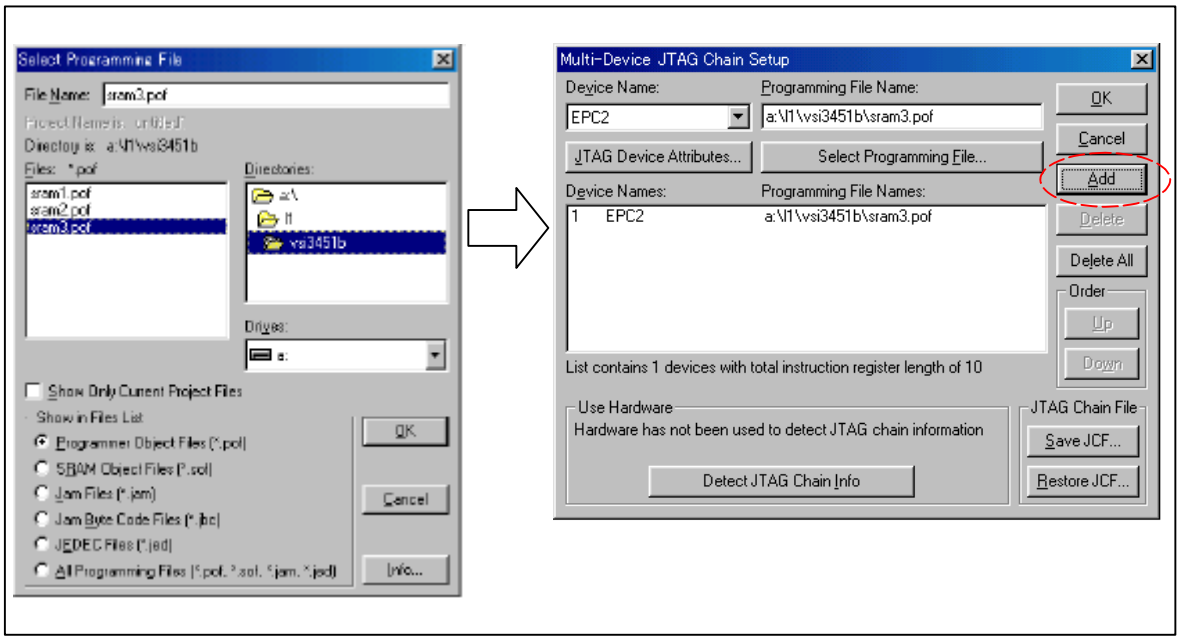
<Reference : Creation of chain file>

Use a **"chain file (in jcf format file)"** for write-operation when a PCB includes several PLDs.
If no chain file has been created, create a chain file by the following procedures.

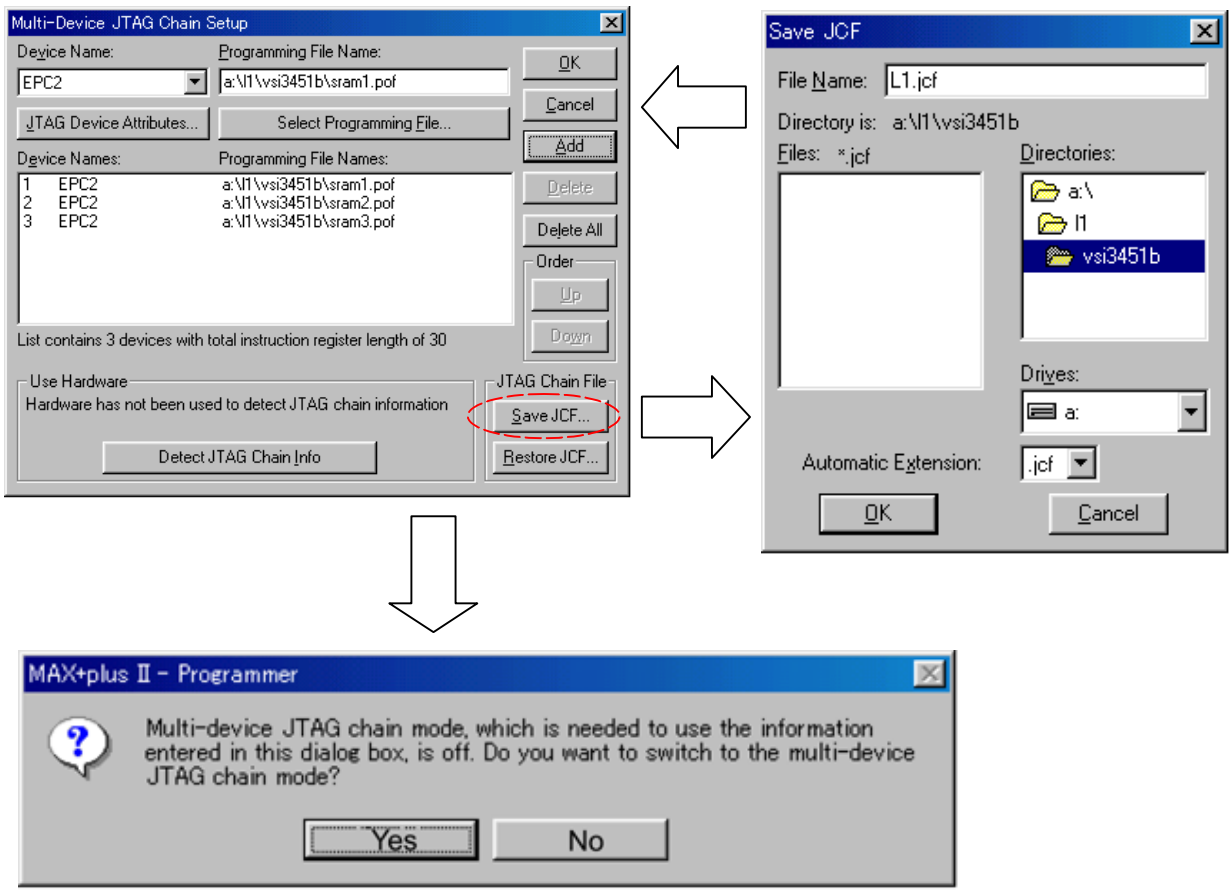
1. Select **"Multi-Device JTAG Chain Setup"** on the main screen to display the **"Multi-Device JTAG Chain Setup"** screen.



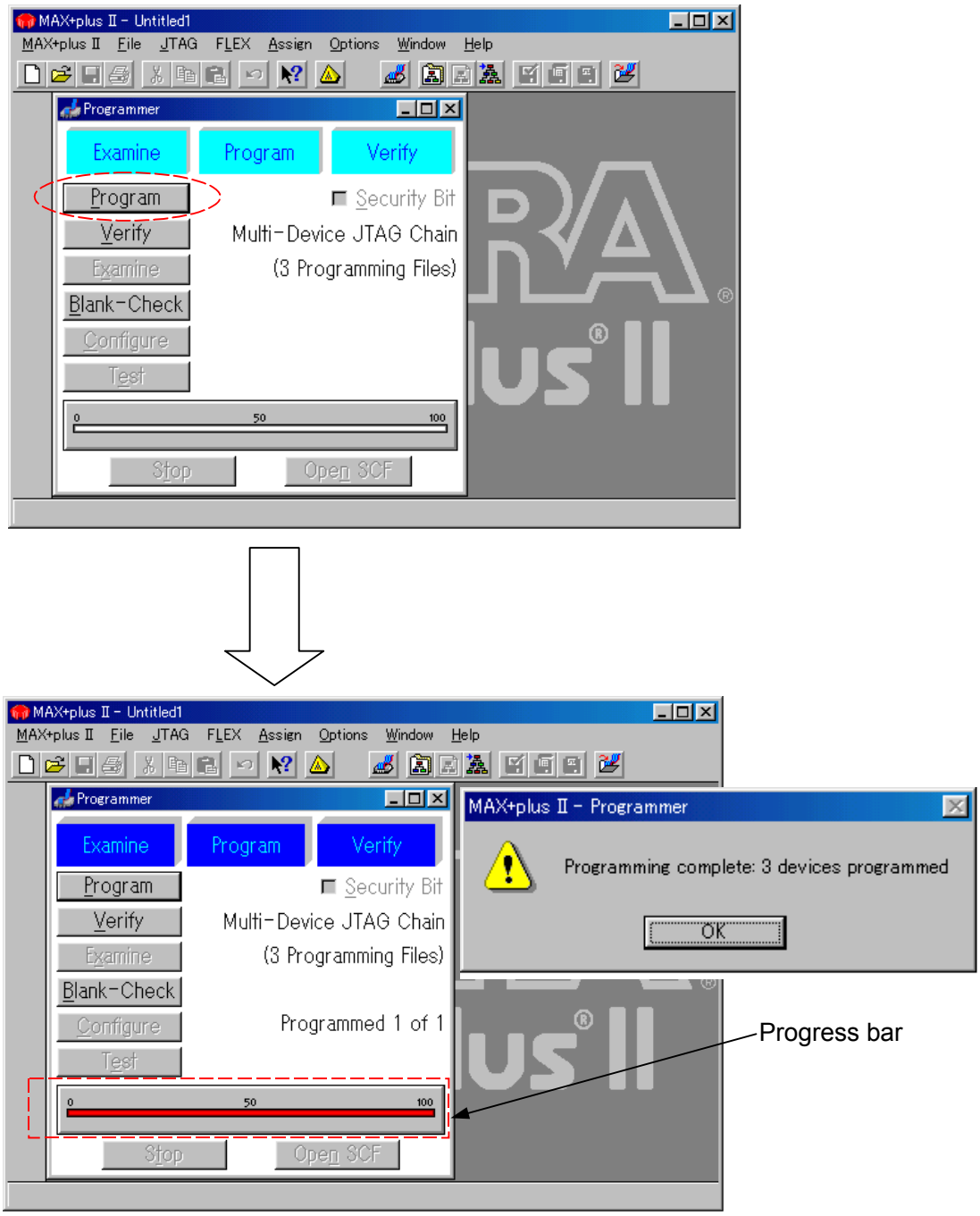
2. Click the **"Select Programming File"** button to display the **"Select Programming File"** screen. Next, select the drive which has software, and select the **"pof"** file. If three pof files can be seen as shown below, select a file from the larger number, and click the **"OK"** button. Then, the **"Multi-Device JTAG Chain Setup"** screen is displayed.



3. Chick the **"Add"** button on the **"Multi-Device JTAG Chain Setup"** screen.
4. Repeat the steps 2 and 3 to capture the **"pof"** file.
5. Click the **"Save JCF"** button. Then, the **"Save JCF"** screen is displayed.
6. Enter a file name, and click the **"OK"** button.
7. Click the "OK" button on the **"Multi Device JTAG Chain Setup"** screen. Then, the following message is displayed : Multi-device JTAG chain mode, which is needed to use the information entered in this dialog box, is off. Do you want to switch to the multi-device JTAG chain mode ?
   When this message is displayed, click **"YES"**.



8. Click the **"Program"** button on Programmer dialog.
9. When Progress Bar reaches at the point of **100**, the message "Programming Complete" appears, then PLD version upgrade is completed. Click **"OK"** button on the **Programming complete** message Dialog.



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* Windows® 95 and Windows® 98 are registered trade mark of Microsoft® corporation in the United States and/or other countries.

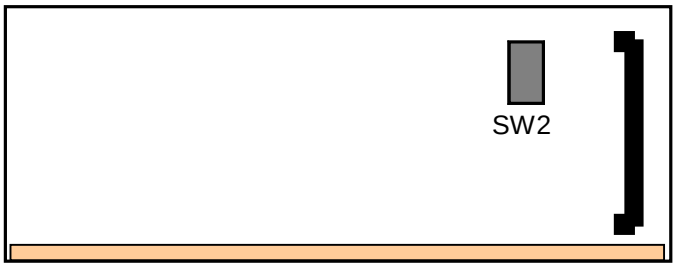
5. INTERNAL SWITCH SETTING

The internal switch setting on each circuit board are shown below.
The switches which are for “Factory use only” must be set to the “factory default”.

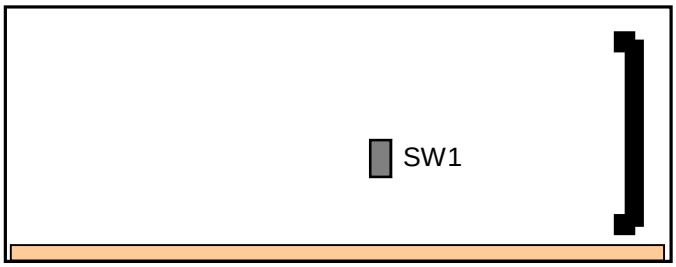
BOARD	Ref. No.	SW	FACTORY DEFAULT	FEATURE
BS FRONT	SW1	-	**FRONT**	Control source select (FRONT / RCOP)
	SW3	1-8	**ALL OFF**	*Factory Use only*
BS DIGITAL	SW2	1	**ON**	Output signal select for Y/G, Pb/B, Pr/R connector ON : Y, PB, PR OUT / OFF : G, B, R OUT
		2	**OFF**	*Factory Use only*
		3	**ON**	
		4	**ON**	
		5	**ON**	
		6	**OFF**	Color-bars type select ON : SNG Color-bars / OFF : SMPTE or FULL Color-bars
		7	**ON**	*Factory Use only*
		8	**ON**	*Factory Use only*
BS AUDIO	SW1	-	**4W**	Incom type select (4W / RTS / 2W)
	SW2	-	**ON**	ENG RTS LOAD (ON / OFF)
	SW5	-	**MAKE**	R Tally type select (MAKE / POWER)
	SW6	-	**MAKE**	G Tally type select (MAKE / POWER)
	SW7	-	**0dB**	MIC 1 output level (0dB / -20dB)
	SW8	-	**0dB**	MIC 2 output level (0dB / -20dB)
	SW9	-	**0dB**	PGM 1 output level (0dB / -20dB)
BS SDI (AJ-YA901P/EN)	SW1	1	**ON**	Adding “EMBEDED AUDIO” to SDI line. ON : Add, OFF : Not add
	SW2	2	**OFF**	Not used

* See “Page number 3-8 / E-5 – E-10 of the AJ-BS900HP/EN Operating Instructions” for details of usage for each switch setting.

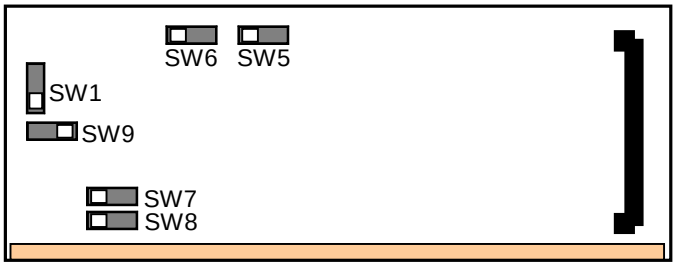
BS DIGITAL BOARD (VEP23516)



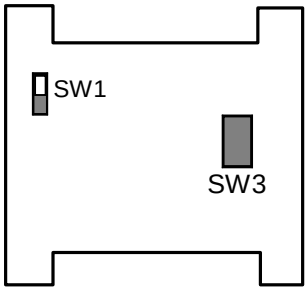
BS SDI BOARD (VEP23517)



BS AUDIO BOARD (VEP24166)

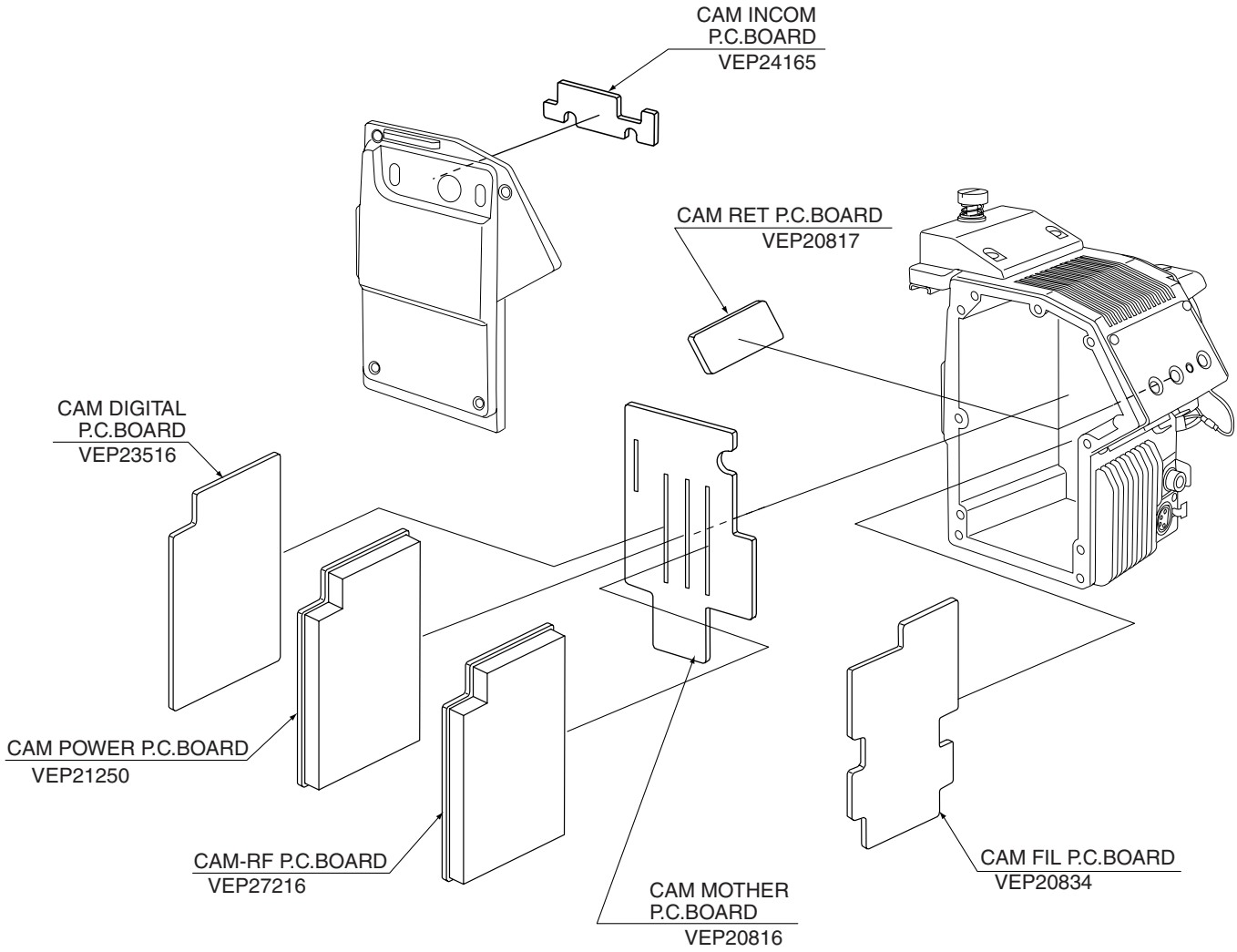


BS FRONT BOARD (VEP20819)



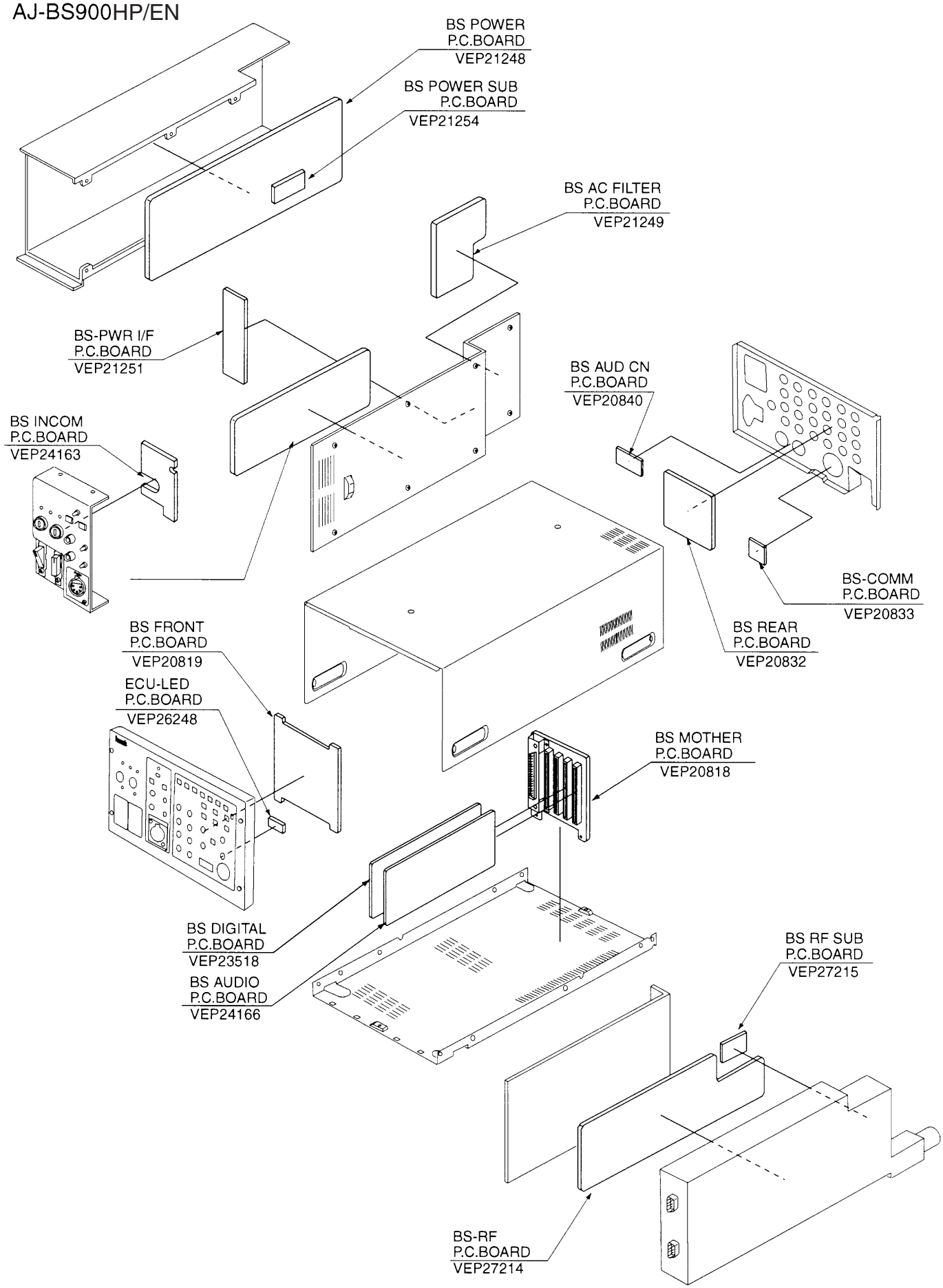
6. CIRCUIT BOARD LAYOUT

AJ-CA900HP/EN



6. CIRCUIT BOARD LAYOUT

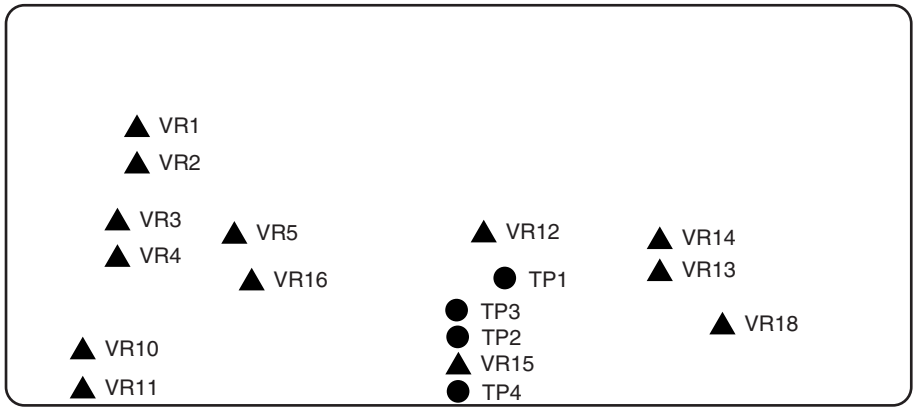
AJ-BS900HP/EN



7. TP, VR LOCATIONS

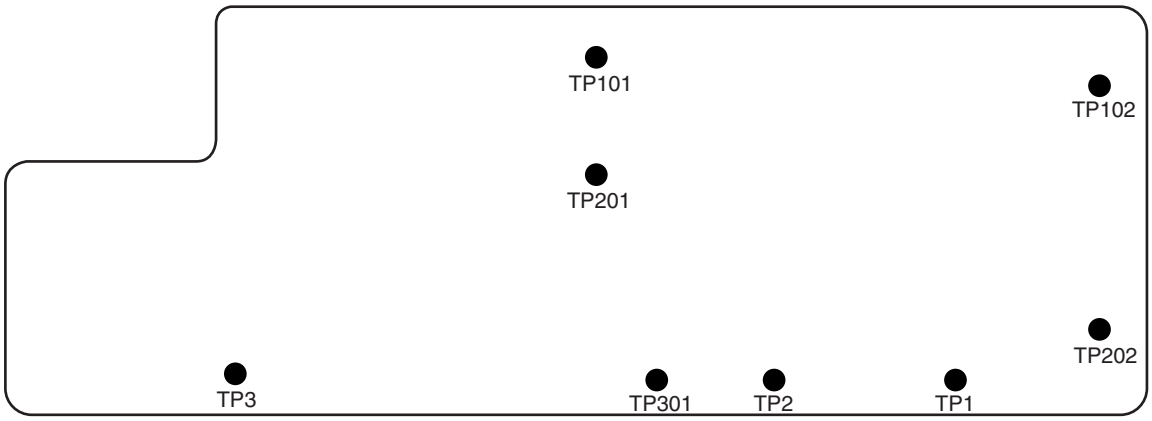
AJ-BS900HP/EN

BS AUDIO P.C.BOARD (VEP24166)



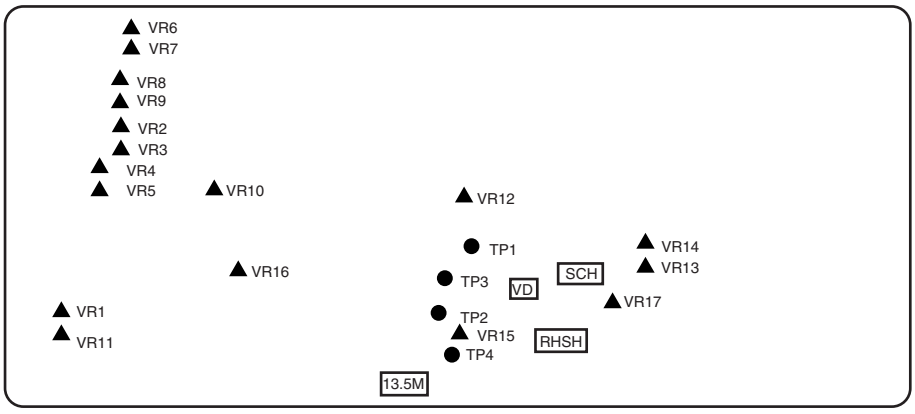
(COMPONENT SIDE)

BS-RF P.C.BOARD (VEP27214)

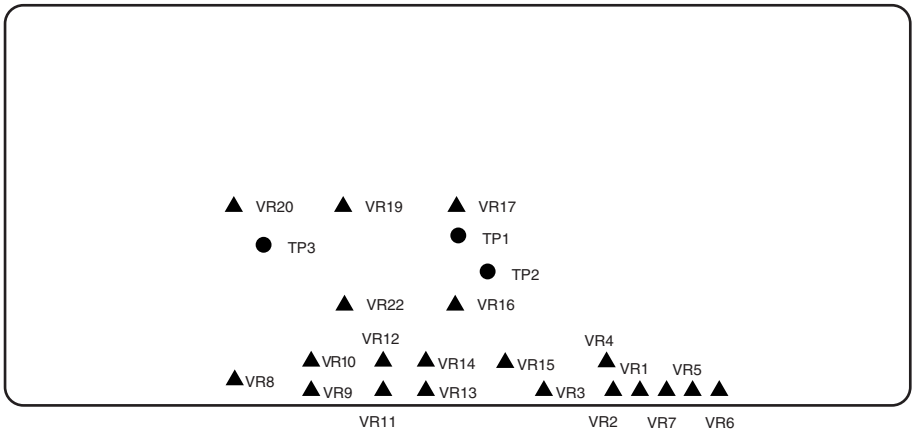


(COMPONENT SIDE)

BS DIGITAL P.C.BOARD (VEP23518)



(FOIL SIDE)

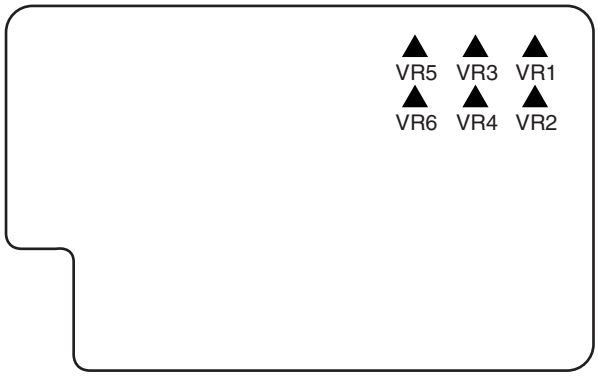


(COMPONENT SIDE)

7. TP, VR LOCATIONS

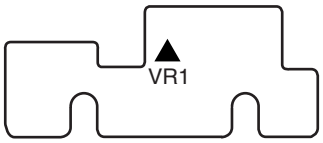
AJ-CA900HP/EN

CAM DIGITAL P.C.BOARD (VEP23516)



(COMPONENT SIDE)

CAM INCOM P.C.BOARD (VEP24165)



(COMPONENT SIDE)

SECTION 2

INSTALLATION PROCEDURE FOR TRIAX

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1. INSTALLATION PROCEDURES

When installing the Digital Triax System (AJ-CA900HP/EN and AJ-BS900HP/EN) to DVCPRO camcorder, software Version-upgrade on both CAM_SYS P.C.Board, and VTR_SYS P.C.Board and SW settings on both ENC P.C.Board and SYNC P.C.Board are required.

1-1. Equipment

Equipment	Remark	Pcs.
Personal Computer	MS-DOS® / Windows® 95 or Windows® 98	1
Flash memory version-up tool	VFK1304A	
VFK1725	Flash memory Writing tool (FLASH1)	
Writing Software	F1win.exe (Included in VFK1725)	
VFK1726	VFK1725 to Camcorder connection board.	
D-Sub 9pin – 9pin Cable	Cross type	
D-Sub 25pin – 9pin Cable	Straight type	
Screw Driver (+)		
Tweezers		

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1-2. Applicable models and necessary Software Version-up

(As of Dec, 2001)

Model Number	Required versions			
	IC6201 [CAM_SYS Board]	IC6203 [CAM_SYS Board]	IC6006 [VTR_SYS Board]	IC1 [DV μcon Board]
AJ-D910WAP	Ver. 2.0 or higher	Ver. <3.3> 1.3 or higher	Ver. P2.02 or higher	Ver. 2.27 or higher
AJ-D610WAP		Ver. <3.3> 3.1 or higher		
AJ-D910WAE		Ver. <3.3> 1.1 or higher	Ver. E2.02 or higher	
AJ-D610WAE		Ver. <3.3> 3.0 or higher		

NOTE: Their software versions can be confirmed at “DIAGNOSTIC menu screen”. (See figure 8-1.)
See “1-4. Software Version-up Procedures” for details of actual software version-up procedure.

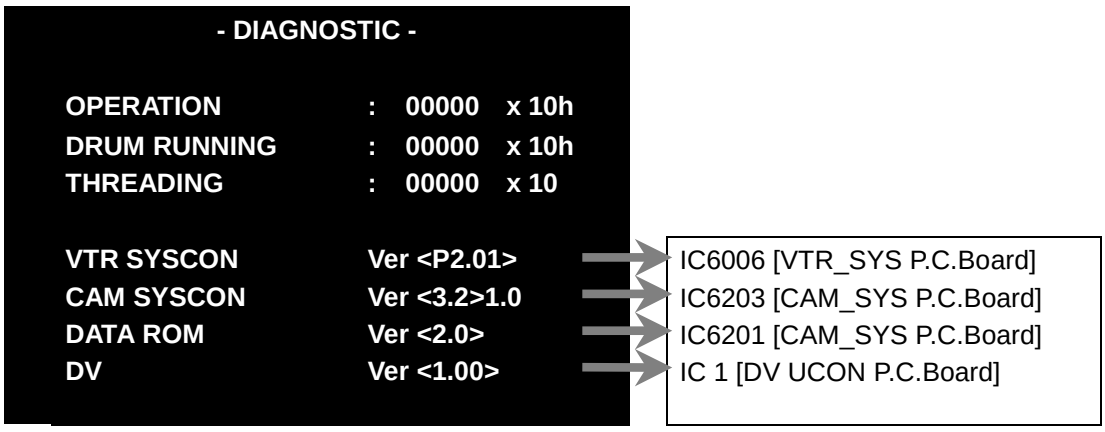
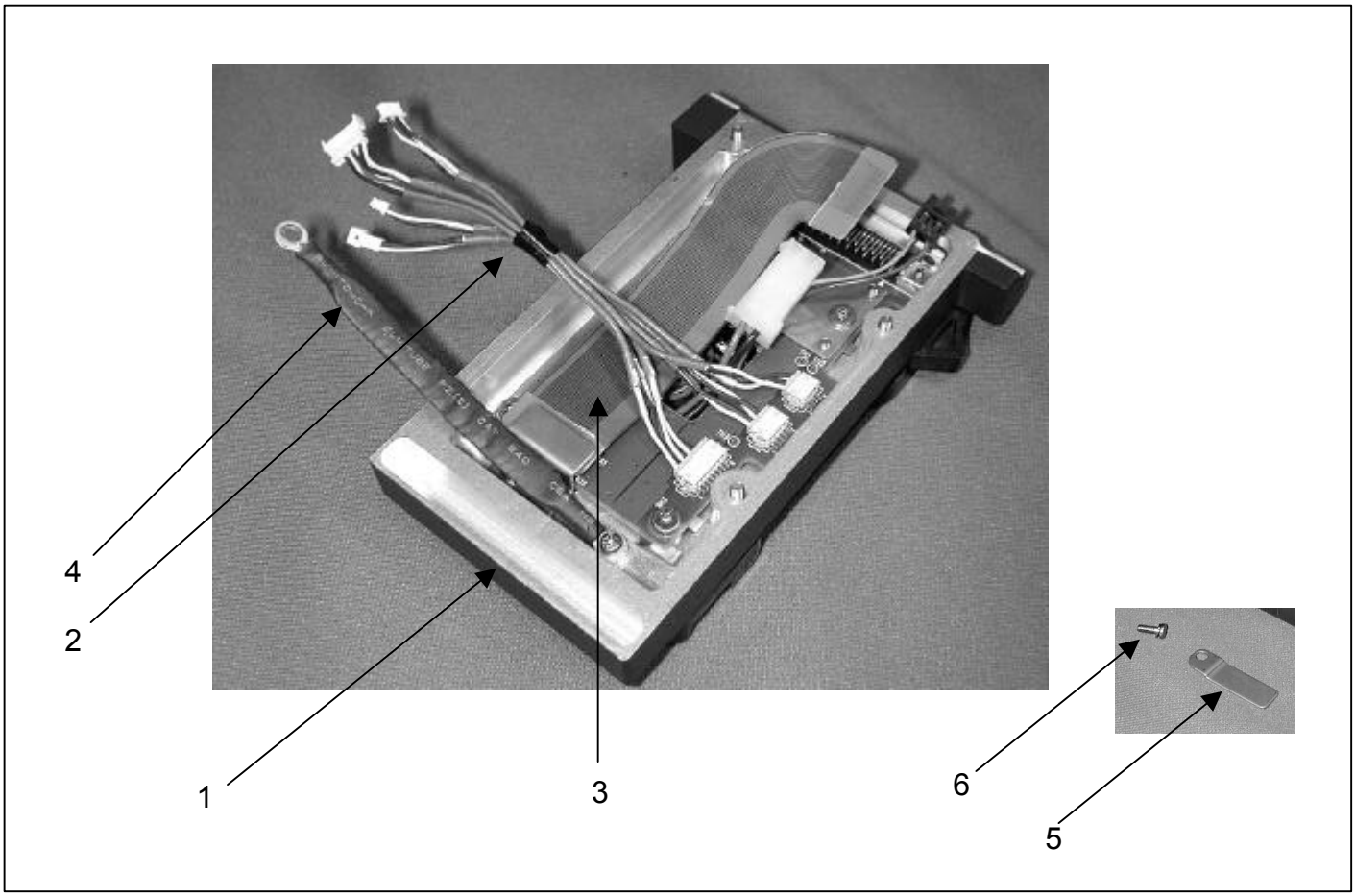


Fig. 8-1 DIAGNOSTIC menu screen

1-3. Mounting procedures of AJ-CA900HP/EN base plate

1-3-1. Parts included

No.	Part name	Pcs.
1	Base plate	1
2	Wire harness	1
3	Flat cable	1
4	GND Cable	1
5	Metal plate	1
6	Screws (Gold)	2



1-3-2. Removal of Battery Holder

1. Remove 4 Screws (A).

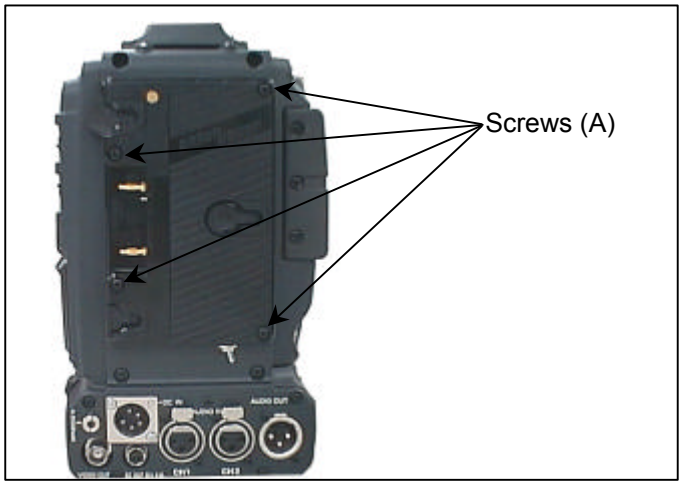


Fig. 3-1

2. Disconnect Power Connectors P9807 and P1006 and then remove Battery holder.

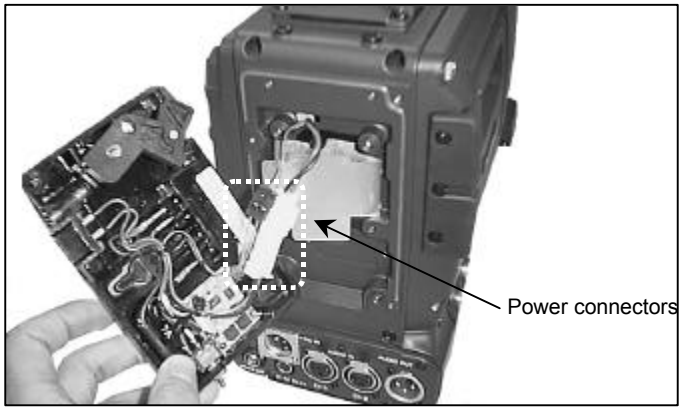


Fig. 3-2

3. Unscrew 2 screws (B) and then remove a connector cover.

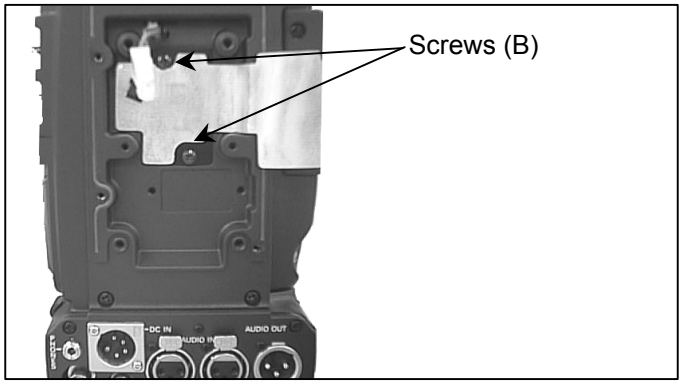


Fig. 3-3

1-3-3. Cable Connections part 1

1. Loosen 4 screws and then remove Side panel (Cassette slot side) on the Unit.
2. Wire harness from AJ-CA900H base plate should be passed through rear panel as shown below.



Fig. 2-4

3. Connect Power connectors on Battery holder to connector P9807 and P1006.
4. Fix “GND Cable” with Gold Screw (Included with AJ-CA900H) to Camcorder as shown figure 3-5. (GND Cable have to be fixed on the direction of the lower right at 45 degrees.)
5. Connect Flat cable to connector P9806 on INT CONNECT P.C.Board.

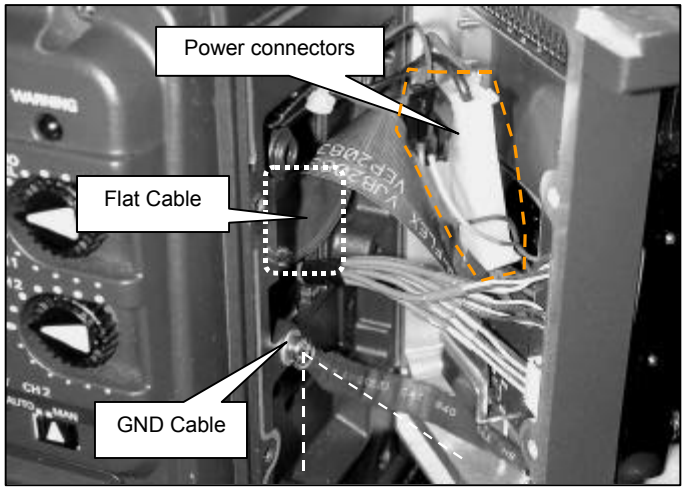


Fig. 3-5

1-3-4. Fixing Metal Plate

1. Fix Metal plate with Gold screw as shown Figure. 3-7.

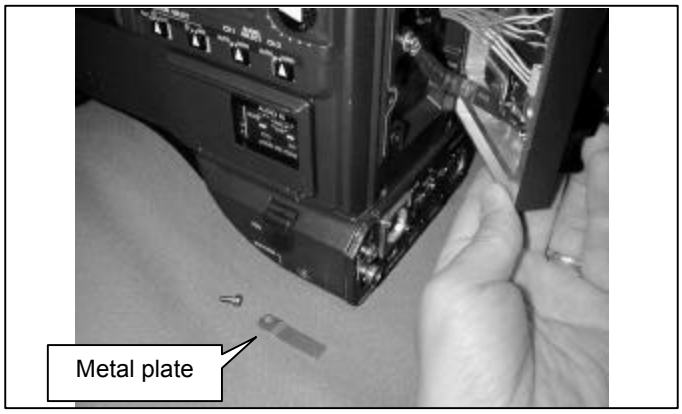


Fig. 3-6

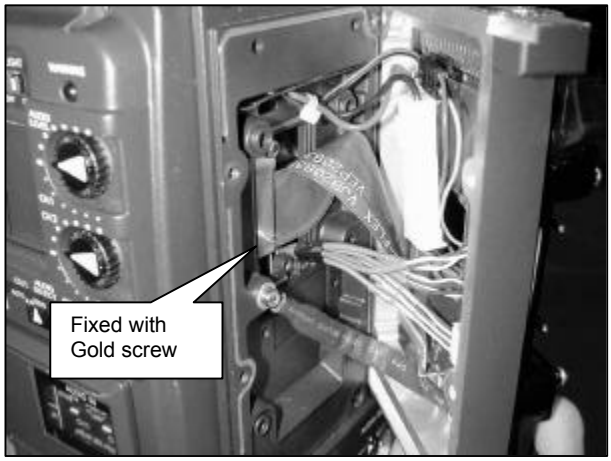


Fig. 3-7

1-3-5. Fixing Base plate

1. Fix Base plate and Battery plate with four-long screws. (Do not pinch any cables between the Unit and Base plate)

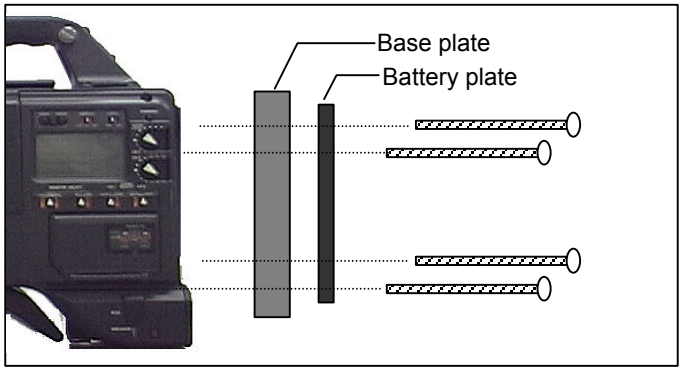


Fig. 3-8

1-3-6. Cable Connections part 2

1. Loosen 2 screws and then remove a Cover of 26-pin adaptor.
2. Remove 2 Screws C and then remove BNC terminal P.C.Board. (See Figure 3-9.)

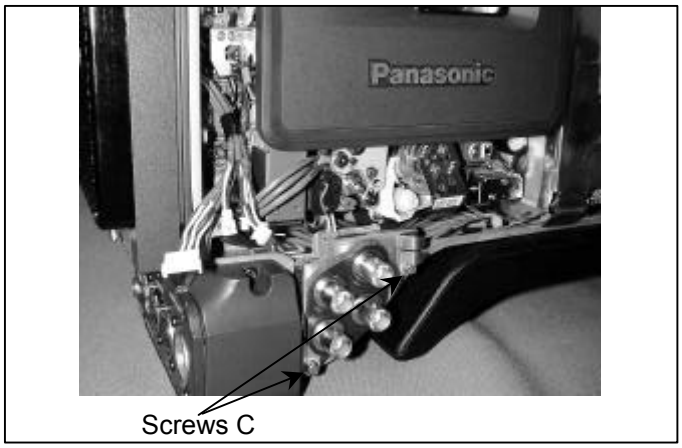


Fig. 3-9

3. Pull out 4 wire harnesses for 26 pin adaptor and then connect them to wire harness from Base plate. (As shown Figure.3-10)

   [Connectors]
   i) 8-pin female
   ii) 4-pin male
   iii) 2-pin female
   iv) 2-pin male

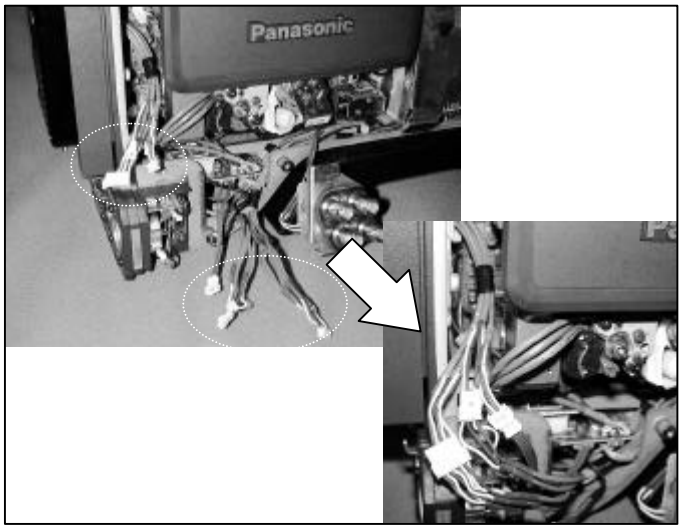


Fig. 3-10

4. Store Cables into the Unit and then assemble “Cover of 26-pin adaptor”, “BNC Terminal P.C.B” and “Side panel” to original position.

1-4. Software Version-up Procedure

[Notice] If DV Microprocessor's software version is lower than "2.24", a component replacement on the RF P.C.Board is required that is described on the Supplement Service Manual (PAL model: No.VSD9909SH651 / NTSC model: No.VSD9909SH064).

1-4-1. Version-up method for IC6201 (CAM_SYS P.C.Board)

1. Connect cable between USER BOARD connector on FLASH1 and Connector P6104 on CAM_SYS P.C.Board through connection board.
2. Connect D-SUB 25-pin – 9-pin Cable (Straight type) between COM port (1 or 2) on PC and RS-232C connector on FLASH 1.
3. Set SW201 [LOAD] on CAM_SYS P.C.Board to "ON". (See figure 4-1)
4. Turn on the power of Camcorder and then boot up PC (with Windows®).
5. Copy all files of Data writing software ("Flash 1 for windows": Included with FLASH 1) to hard drive on PC.
6. Install "Flash 1 for windows software" to PC.
7. Copy version-up data (xxxx.mot format file) to same directory of F1win.exe.

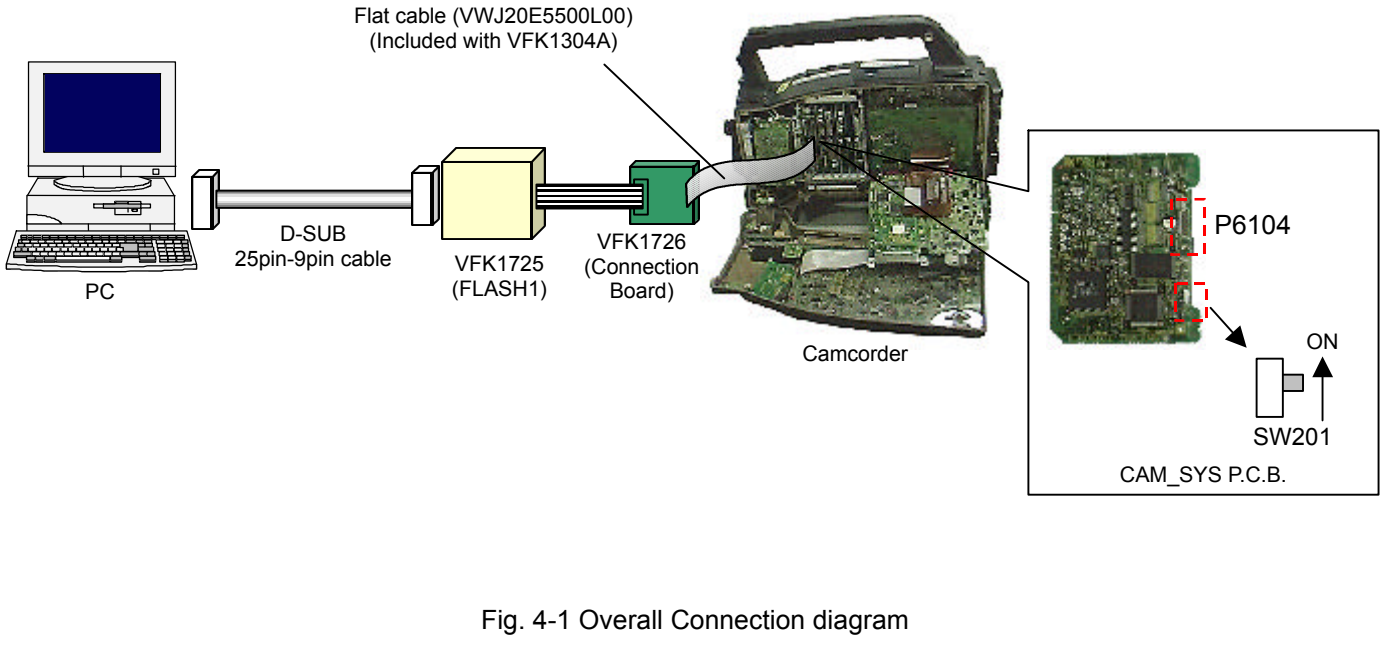


Fig. 4-1 Overall Connection diagram

8. Boot up "F1win.exe (Flash 1 for windows apprication)" and then set parameters as shown in figure 4-2.

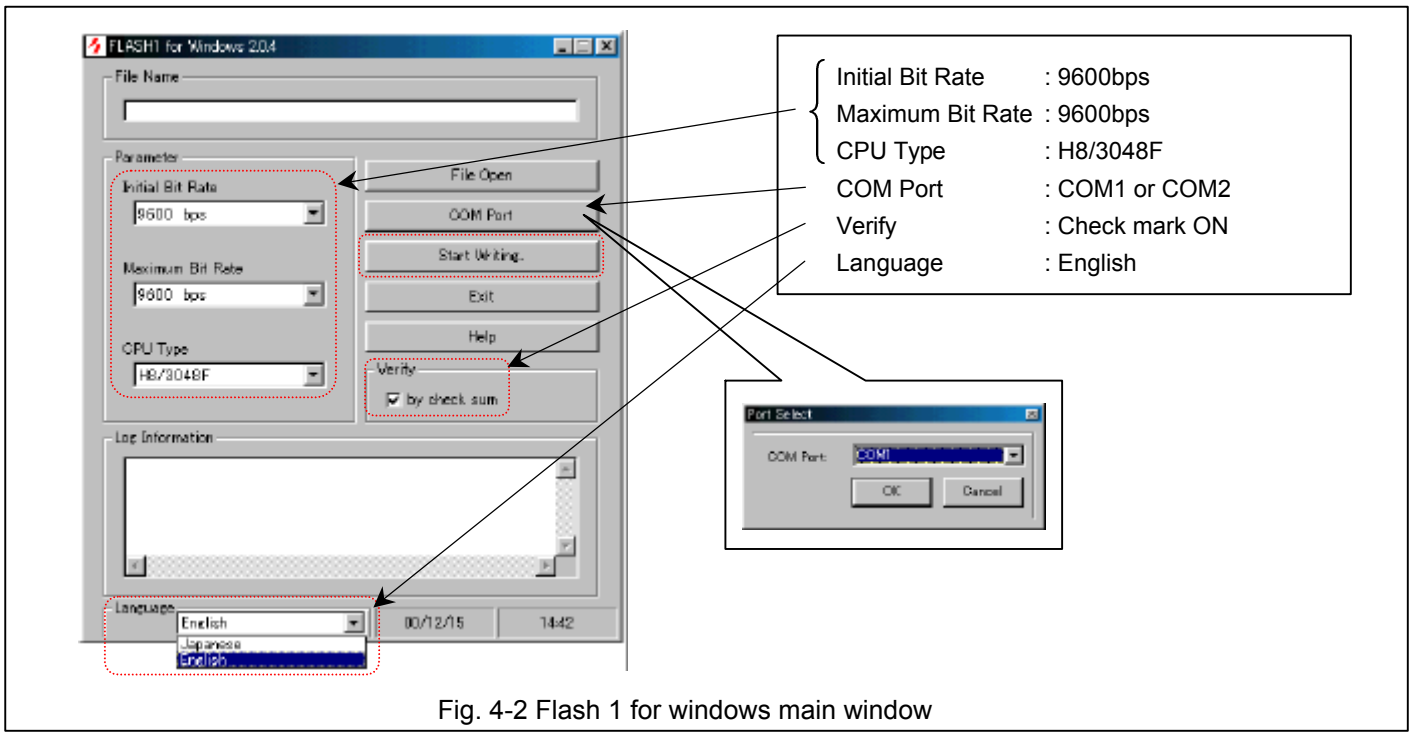


Fig. 4-2 Flash 1 for windows main window

9. Click “File Open” button.
10. Select version-up data file (xxxx.mot format file) and then click “Open” button. (See Figure 4-3)

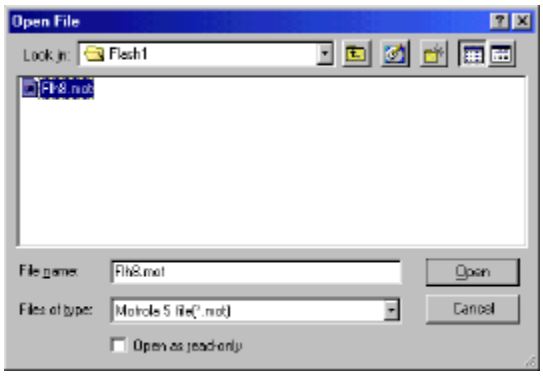
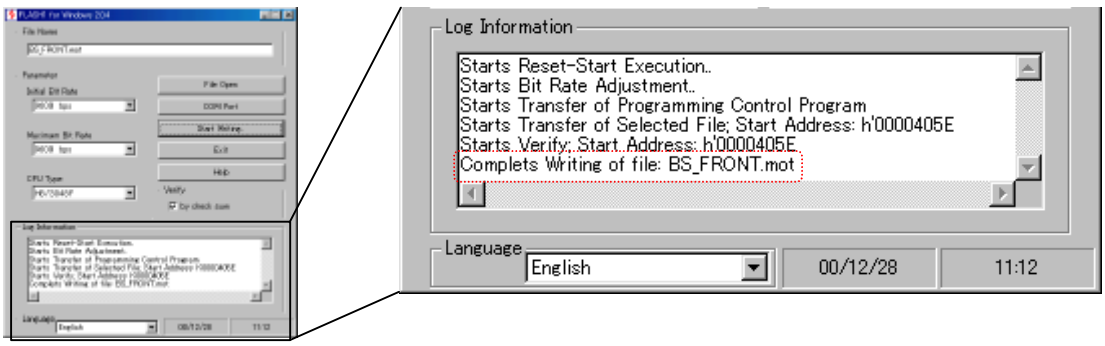


Fig. 4-3 Open file dialog

11. On main window, click “Start writing” button and data transfer will be started from PC to camcorder. (It takes about two-minutes)
12. When a message “Completes Writing of file: xxxx.mot”, appears software version upgrade is completed.



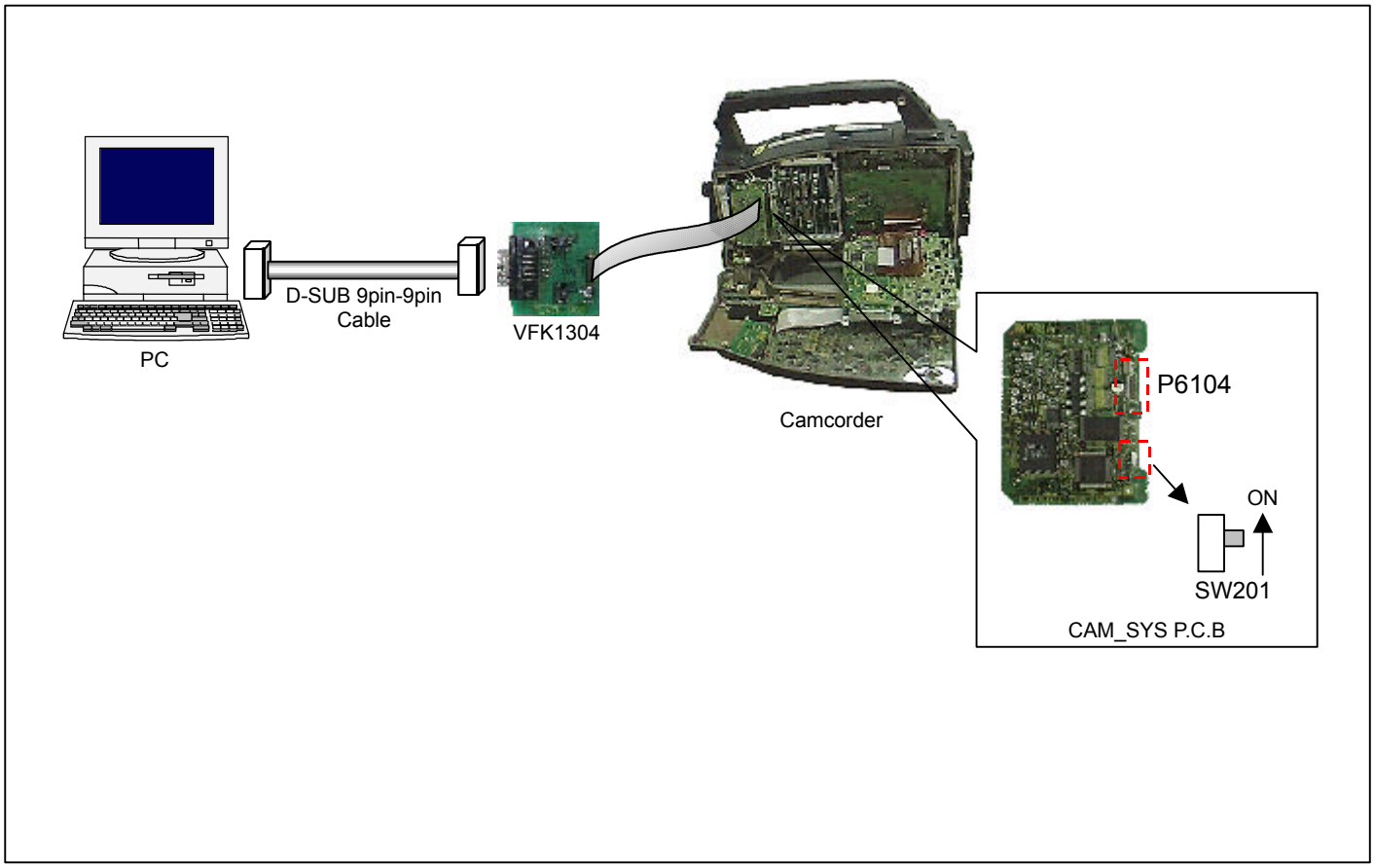
13. Turn off the power of camcorder and then set SW201 [LOAD] to original position.

1-4-2. Version-up method for IC6203 (CAM_SYS P.C.Board)

1. Connect Flat cable (Included with VFK1304A) between connector P1 on VFK1304A and connector P6104 on CAM_SYS P.C.Board.
2. Connect D-Sub Cable (9pin – 9pin: Cross type) between connector P2 on VFK1304A and COM1 port on PC.

3. Set SW201 [LOAD] on CAM_SYS P.C.Board to “ON” side.
4. Turn on the power of Camcorder and then boot up PC. (with DOS®)
5. Make a directory with any name on any hard drive (Ex. C:/ VSI1234) and then copy all files of version-up data to there.

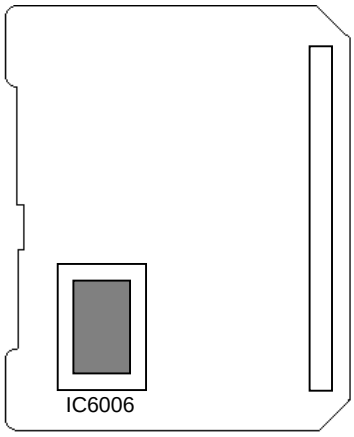
6. Type “FI_all.bat” and hit Enter key.
7. When Progress bar reaches at the point of “100%”, version upgrade is completed. (It takes about twenty-minutes)
8. Turn off the power of camcorder and then set SW201 [LOAD] to original position.



1-4-3. Version-up method for IC6006 (VTR_SYS P.C.Board)

Replace IC6006 on VTR_SYS P.C.Board to following version or higher.

Model Number	Part Number
AJ-D910WAP	VSI3537A (Ver. P2.02)
AJ-D910WAE	VSI3538A (Ver. E2.02)
AJ-D610WAP	VSI3540A (Ver. P2.02)
AJ-D610WAE	VSI3541A (Ver. E2.02)

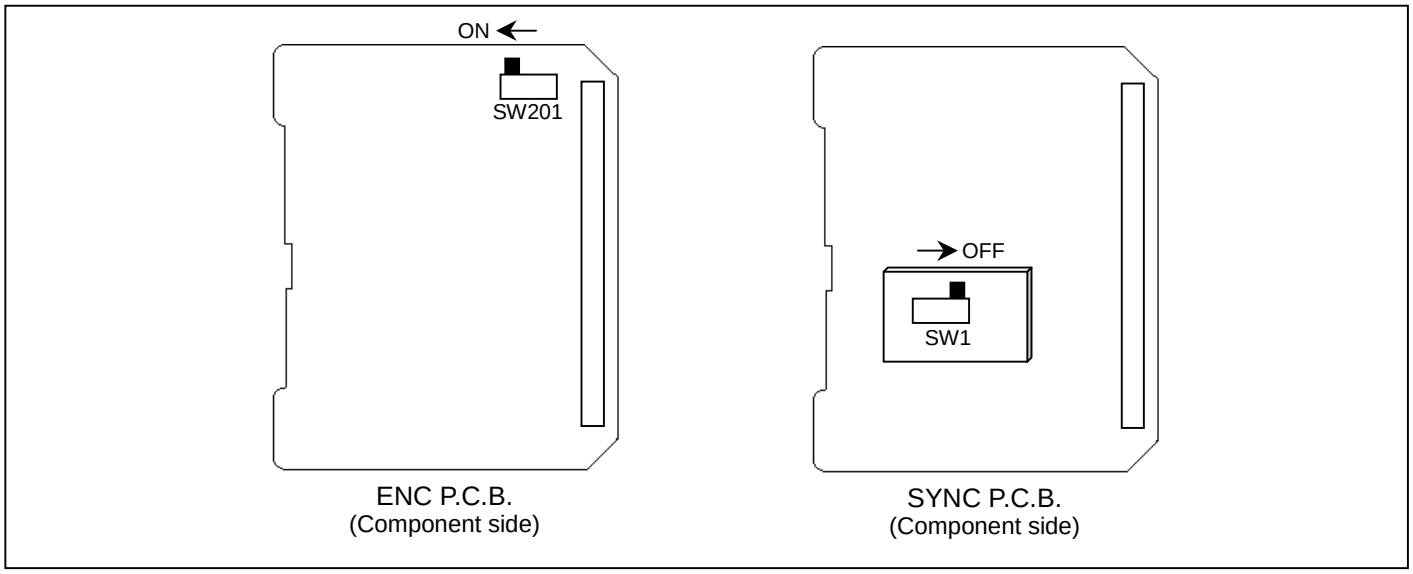


VTR_SYS P.C.B.
(Component side)

1-5. SW Settings

Set switches on ENC (Encoder) and SYNC P.C.Board as follows.

ENC P.C.B	SW201 (26P)	:	ON
SYNC P.C.B	SW1 (on the small P.C.B.)	:	OFF



ENC P.C.B.
(Component side)

SYNC P.C.B.
(Component side)

NOTE: The AJ-CA900HP/EN uses signal lines for 26-pin camera output adapter (AJ-YA900P). Therefore, the AJ-CA900HP/EN can not be used with the AJ-YA900P at the same time.

SECTION 3

DISASSEMBLY PROCEDURES

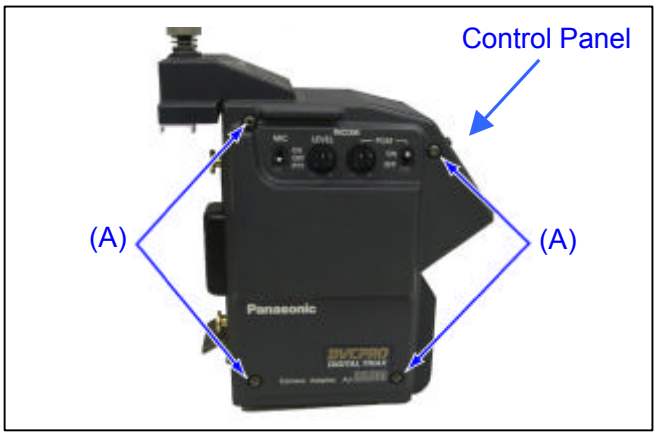
CONTENTS

(AJ-CA900HP/EN)
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2. Removal of the Cam Digital, RF, Power C.B.A. DIS-1
3. Removal of the Triax Connector DIS-1
4. Removal of the Left Side Case DIS-2
5. Removal of the Back Case DIS-2
6. Removal of the Connection Case DIS-2
(AJ-BS900HP/EN)
1. Removal of the Front Panel DIS-3
2. Removal of the C.B.A. Fixed Angle.....DIS-3
3. Removal of the Card Edge C.B.A. DIS-3
4. Removal of the BS Front C.B.A. DIS-3
5. Removal of the Top Panel DIS-3
6. Removal of the Bottom Panel DIS-4
7. Removal of the Front Panel DIS-4
8. Removal of the Power Supply Unit DIS-4
9. Removal of the Rear Panel.....DIS-4
10. Removal of the Fan Motor DIS-5
11. Removal of the RF Unit.....DIS-5
12. Removal of the C.B.A. Guide Rail.....DIS-5
(RF Unit)
1. Removal of the Top Plate DIS-6
2. Removal of the Triax Connector DIS-6
(Power Supply Unit)
1. Removal of the Top Plate DIS-6

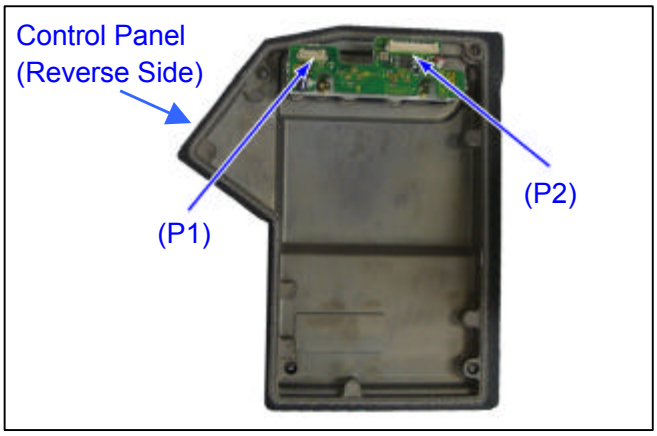
Disassembly Procedures for AJ-CA900HP/EN

1. Removal of the Control Panel

1. Loosen the 4 screws (A).

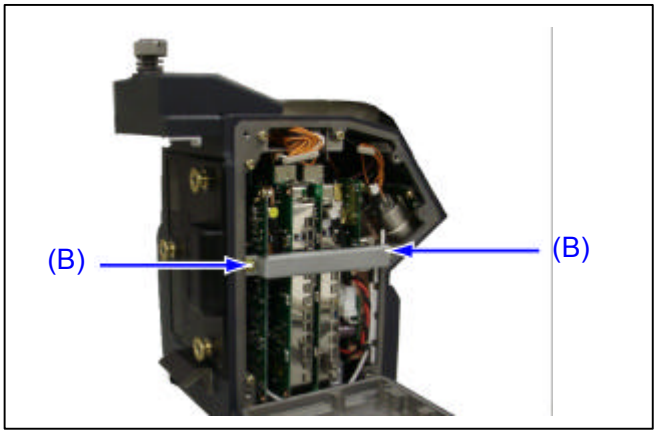


2. Disconnect the connector (P1,P2), and remove the Control Panel.

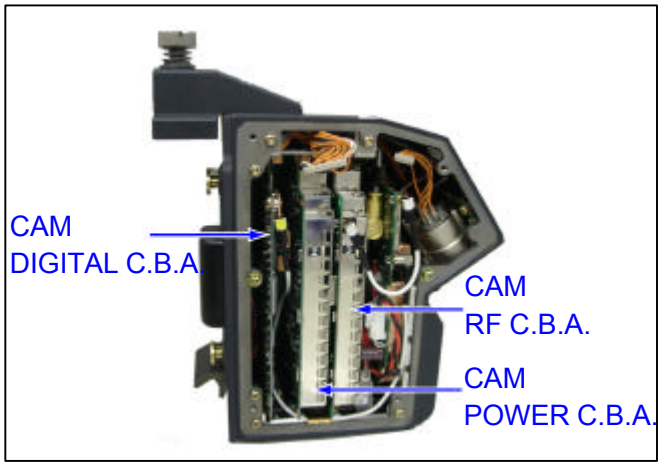


2. Removal of the Cam Digital, RF, Power C.B.A.

1. Loosen the 2 screws (B) and remove the fixed angle.

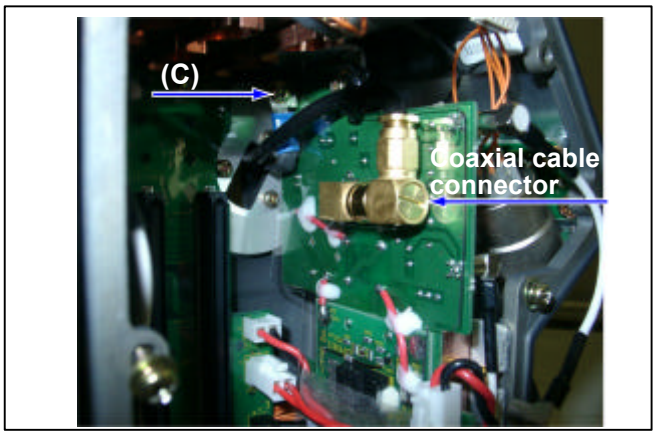


2. Pull out every C.B.A.

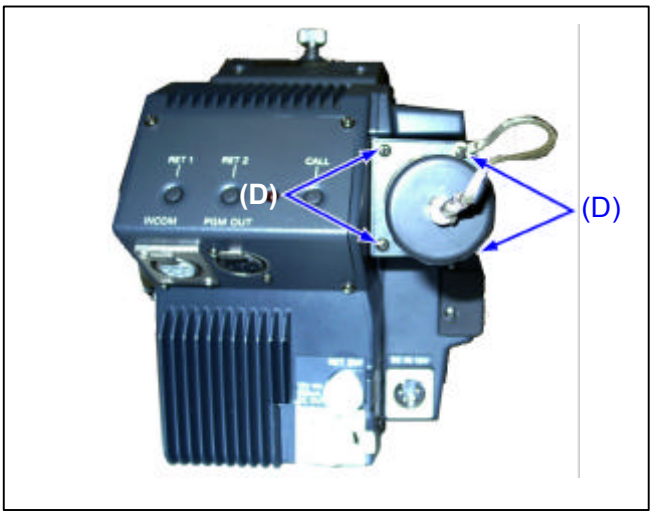


3. Removal of the Triax Connector

1. Disconnect the connector of a coaxial cable.
2. Unscrew the screws (C), and disconnect GND line.

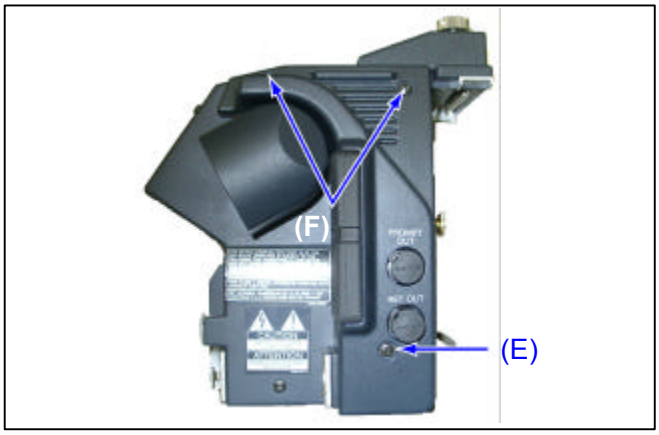


3. Unscrew the 4 screws (D), and remove the Triax Connector.

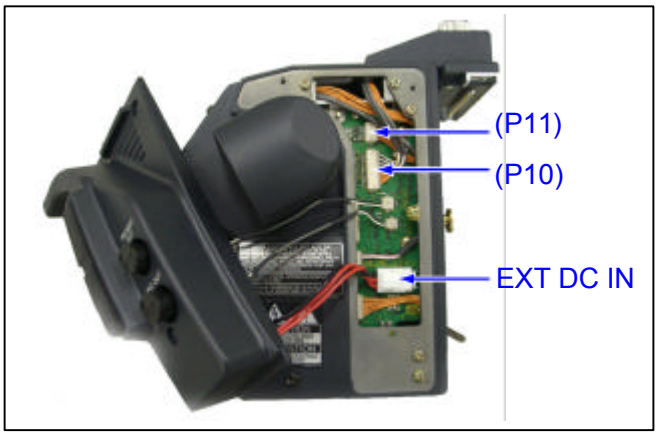


4. Removal of the Left Side Case

1. Unscrew the screw (E).
2. Unscrew the 2 screws (F).

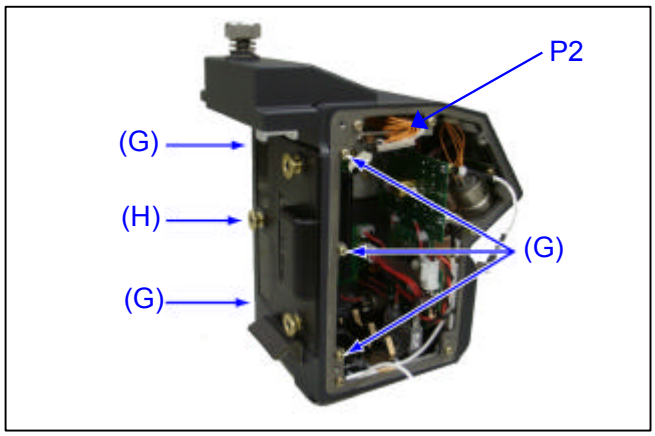


3. Disconnect the connector (P10,11,EXT DC IN), and remove the Left Side Panel.



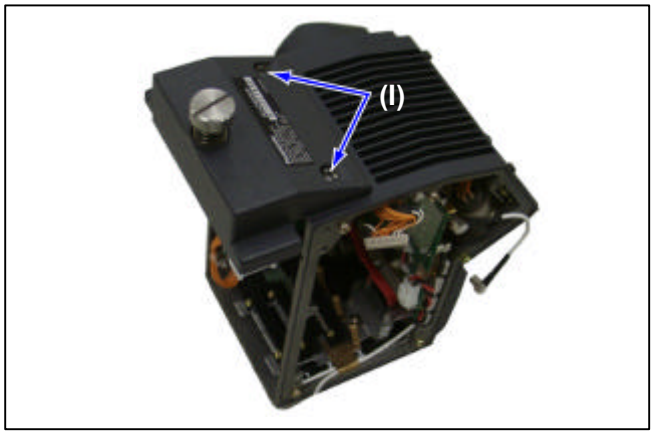
5. Removal of the Back Case

1. Unscrew the 5 screws (G) and screw (H).
2. Disconnect the connector (P2), and remove the Back Case.

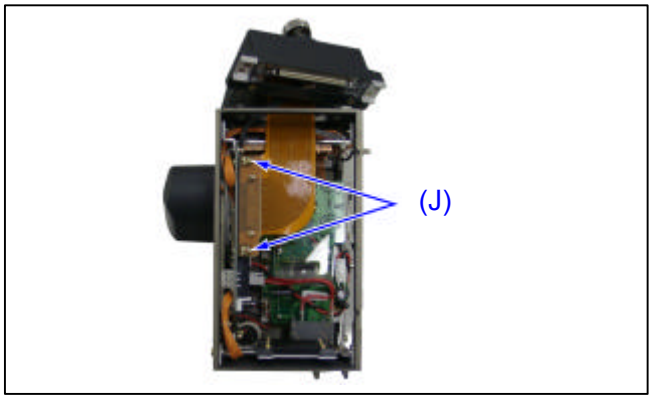


6. Removal of the Connection Case

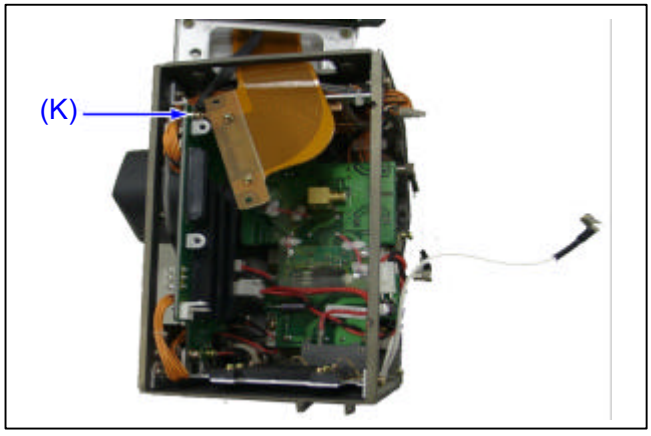
1. Unscrew the 2 screws (I).



2. Unscrew the 2 screws (J) and disconnect the connector.



3. Unscrew the screw (K) and disconnect the GND line.
4. Remove the Connection Case carefully.



Note : Assemble procedures are reverse of the disassemble procedures.

Disassembly Procedures for AJ-BS900HP/EN

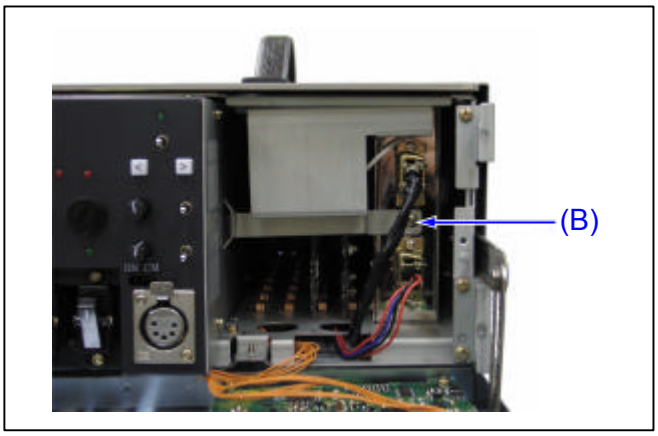
1. Removal of the Front Panel

1. Unscrew the 4 screws (A), and remove the Front Panel.



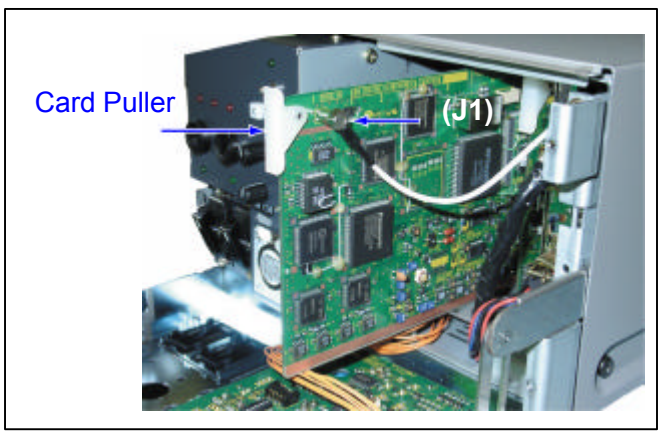
2. Removal of the C.B.A. Fixed Angle

1. Unscrew the screw (B), and remove the C.B.A. Fixed Angle.



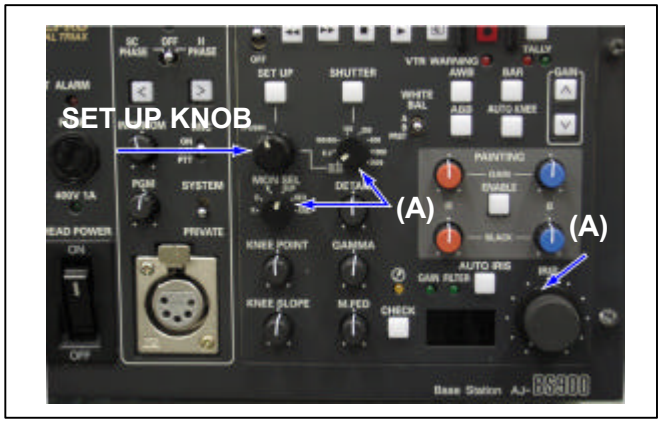
3. Removal of the Card Edge C.B.A.

1. Pull the Card puller, and pull out the C.B.A. a little way.
2. Disconnect the connector (J1), and the pull out the C.B.A.

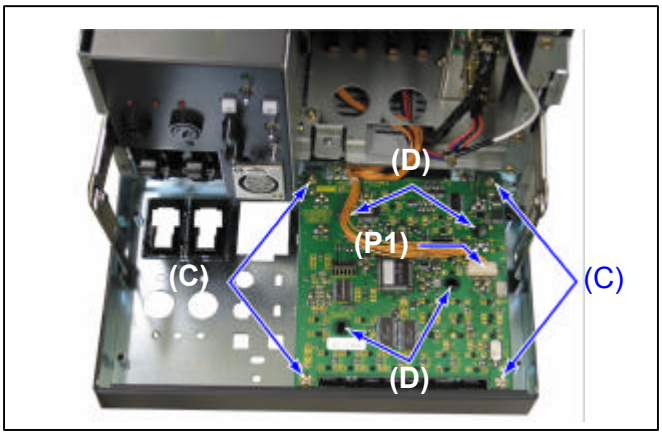


4. Removal of the BS Front C.B.A.

1. Loosen the 3 worm screws (A), and pull out the Knob.
2. Pull out of the Set Up Knob.

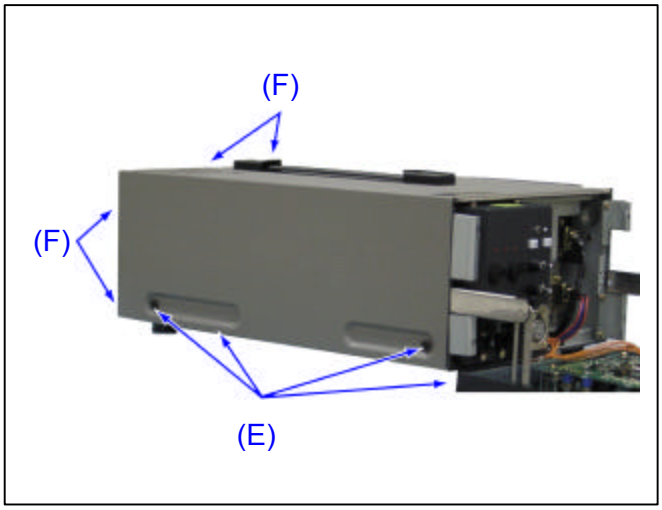


3. Unscrew the 4 screws (C), and remove the connector (P1).
4. Unscrew the 4 screws (D), and remove the BS Front C.B.A..



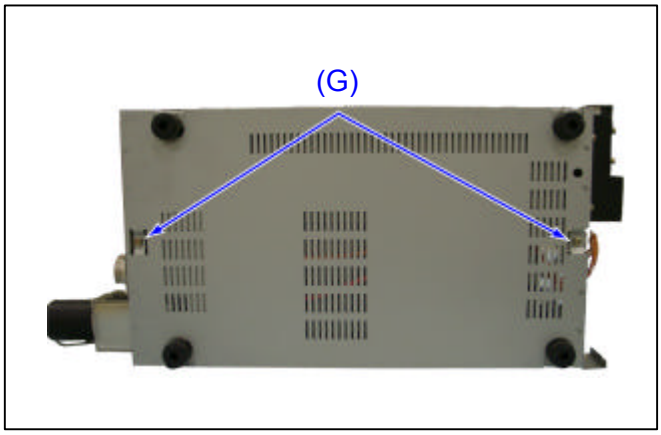
5. Removal of the Top Panel

1. Unscrew the 4 screws (E).
2. Unscrew the 4 screws (F), and remove the Top Panel.



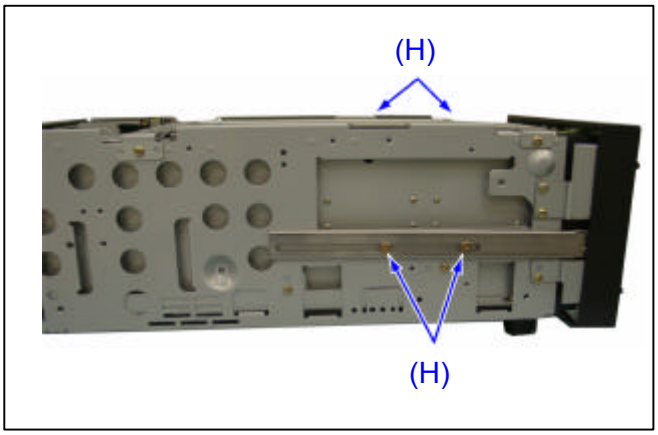
6. Removal of the Bottom Panel

1. Unscrew the 2 screws (G), and remove the Bottom Panel.



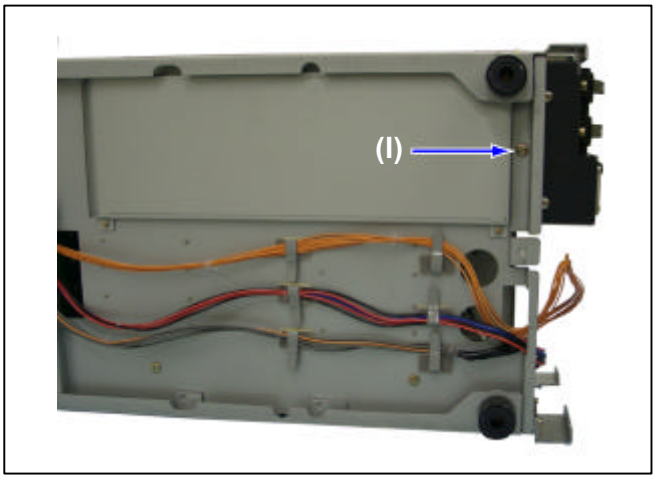
7. Removal of the Front Panel

1. Unscrew the 4 screws (H), and remove the Front Panel.



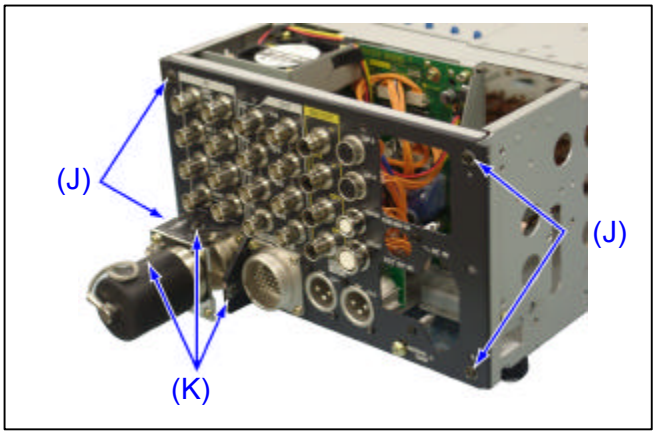
8. Removal of the Power Supply Unit

1. Unscrew the screw (I), and remove the Power Supply Unit.

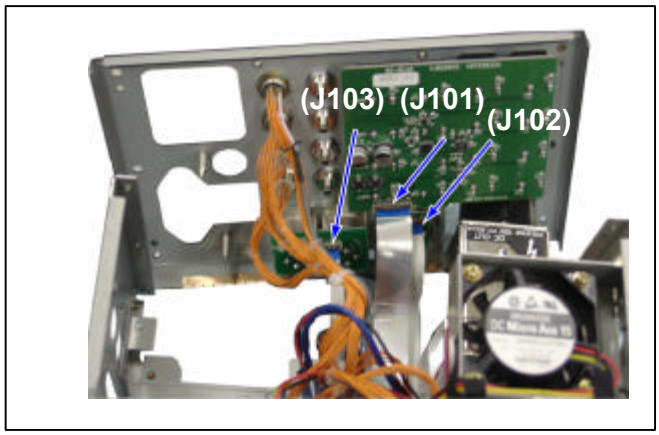


9. Removal of the Rear Panel

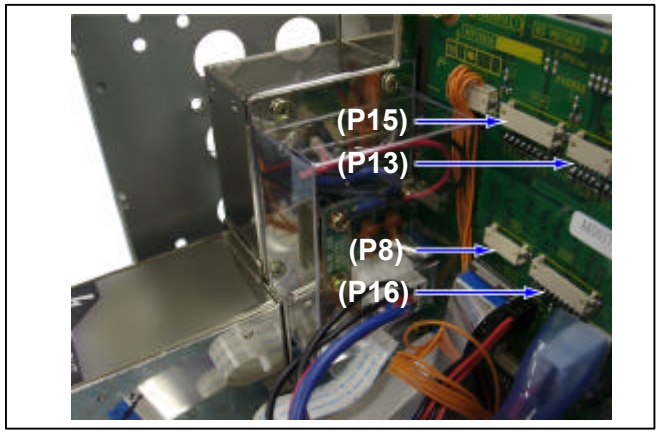
1. Unscrew the 4 screws (J).
2. Unscrew the 3 screws (K).



3. Disconnect the connector (J101,102,103).

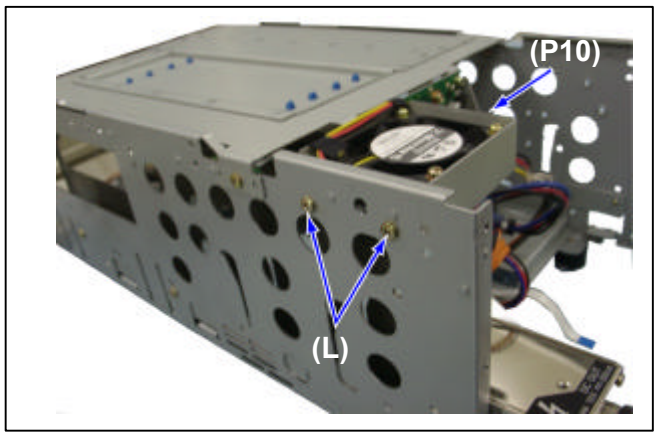


4. Disconnect the connector (P8,13,15,16), and remove the Rear Panel.



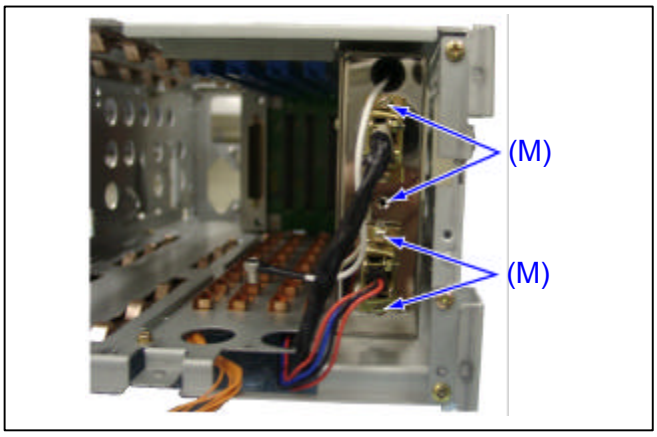
10. Removal of the Fan Motor

1. Unscrew the 2 screws (L).
2. Disconnect the connector (P10), and remove the Fan Motor.

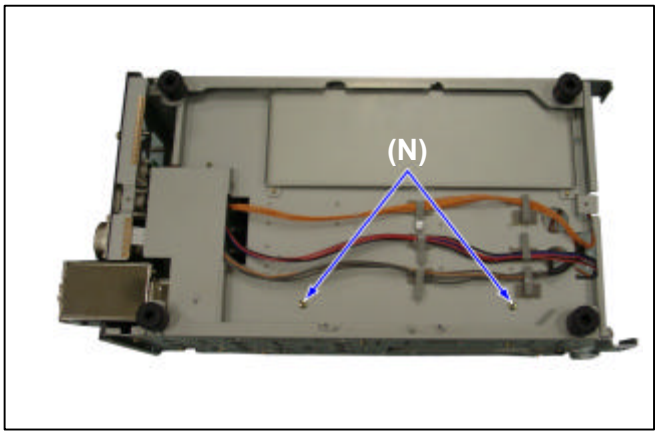


11. Removal of the RF Unit

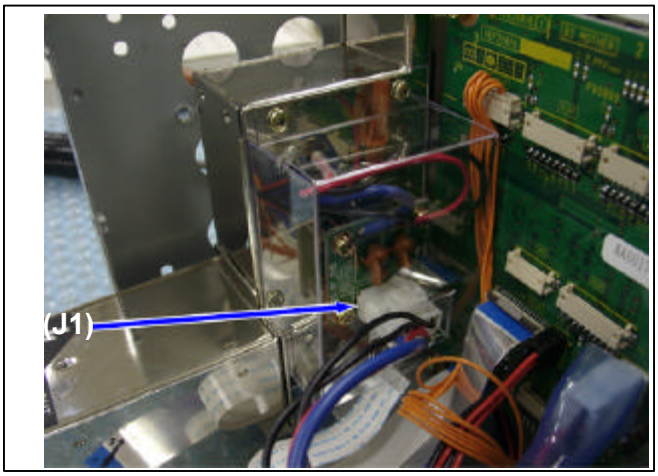
1. Loosen the 4 screws (M), and disconnect the connector.



2. Unscrew the 2 screws (N).

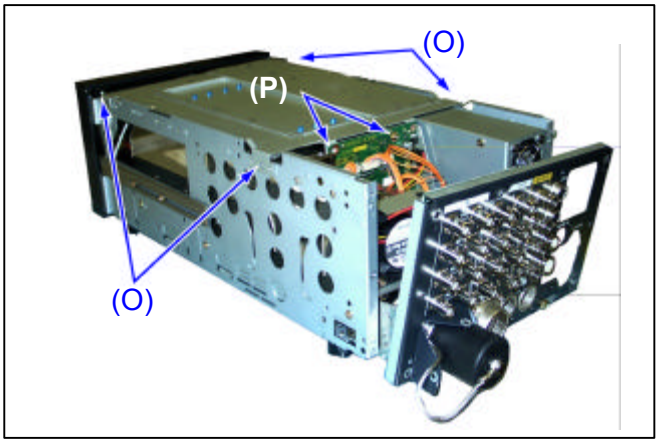


3. Disconnect the connector (J1), and remove RF Unit.



12. Removal of the C.B.A. Guide Rail

1. Unscrew the 4 screws (O).
2. Unscrew the 2 screws (P), and remove the Guide rail.

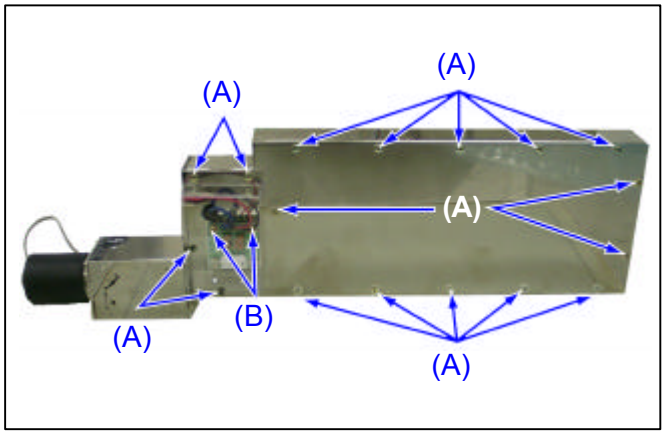


Note : Assemble procedures are reverse of the disassemble procedures.

Disassemble of RF Unit

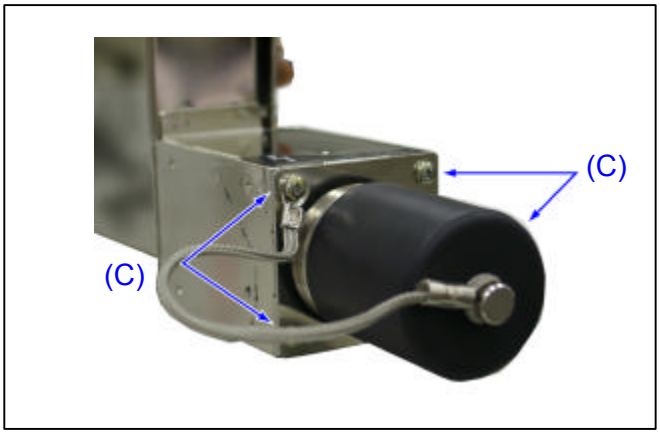
1. Removal of the Top Plate

1. Unscrew the 17 screws (A).
2. Unscrew the 2 screws (B), and remove the Upper Plate.

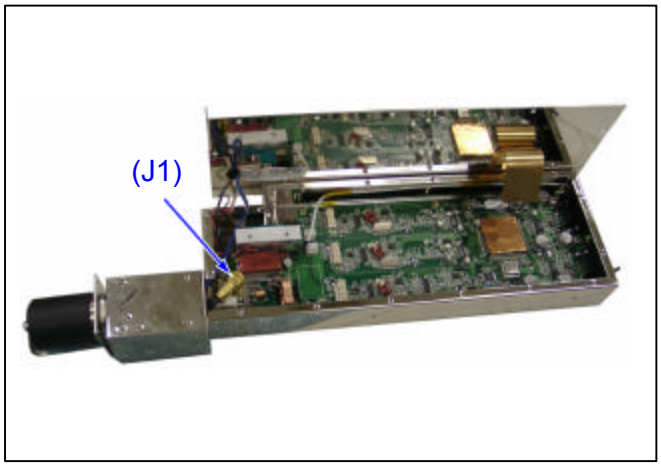


2. Removal of the Triax Connector

1. Unscrew the 4 screws (C).



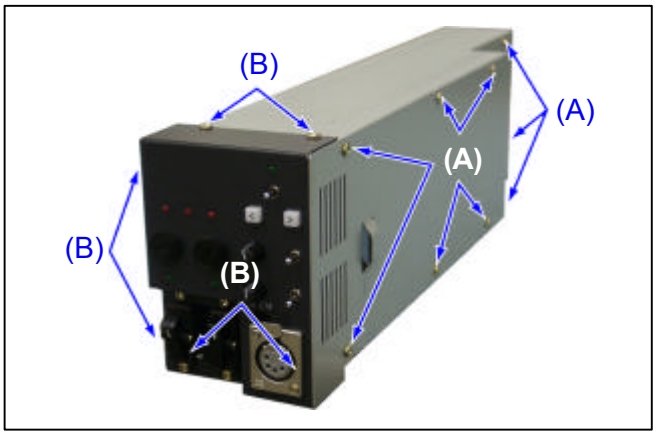
2. Disconnect the connector (J3) .



Disassemble of Power Supply Unit

1. Removal of the Top Plate

1. Unscrew the 9 screws (A).
2. Unscrew the 6 screws (B)
3. Remove the Upper Plate carefully.



Note : Assemble procedures are reverse of the disassemble procedures.

SECTION 5

BLOCK DIAGRAMS

CONTENTS

AJ-CA900H BLOCK DIAGRAM
OVERALL BLOCK DIAGRAM.....BLK-1
CAM POWER BLOCK DIAGRAM.....BLK-2
CAM DIGITAL BLOCK DIAGRAM BLK-3
AJ-BS900H BLOCK DIAGRAM
OVERALL BLOCK DIAGRAM.....BLK-4
BS DIGITAL BLOCK DIAGRAM BLK-5
BS AUDIO BLOCK DIAGRAM.....BLK-6
BS FRONT BLOCK DIAGRAM.....BLK-7
BS POWER BLOCK DIAGRAM.....BLK-8
POWER PROTECT BLOCK DIAGRAM BLK-9
AJ-YA901P/EN BLOCK DIAGRAM
OVERALL BLOCK DIAGRAM.....BLK-10

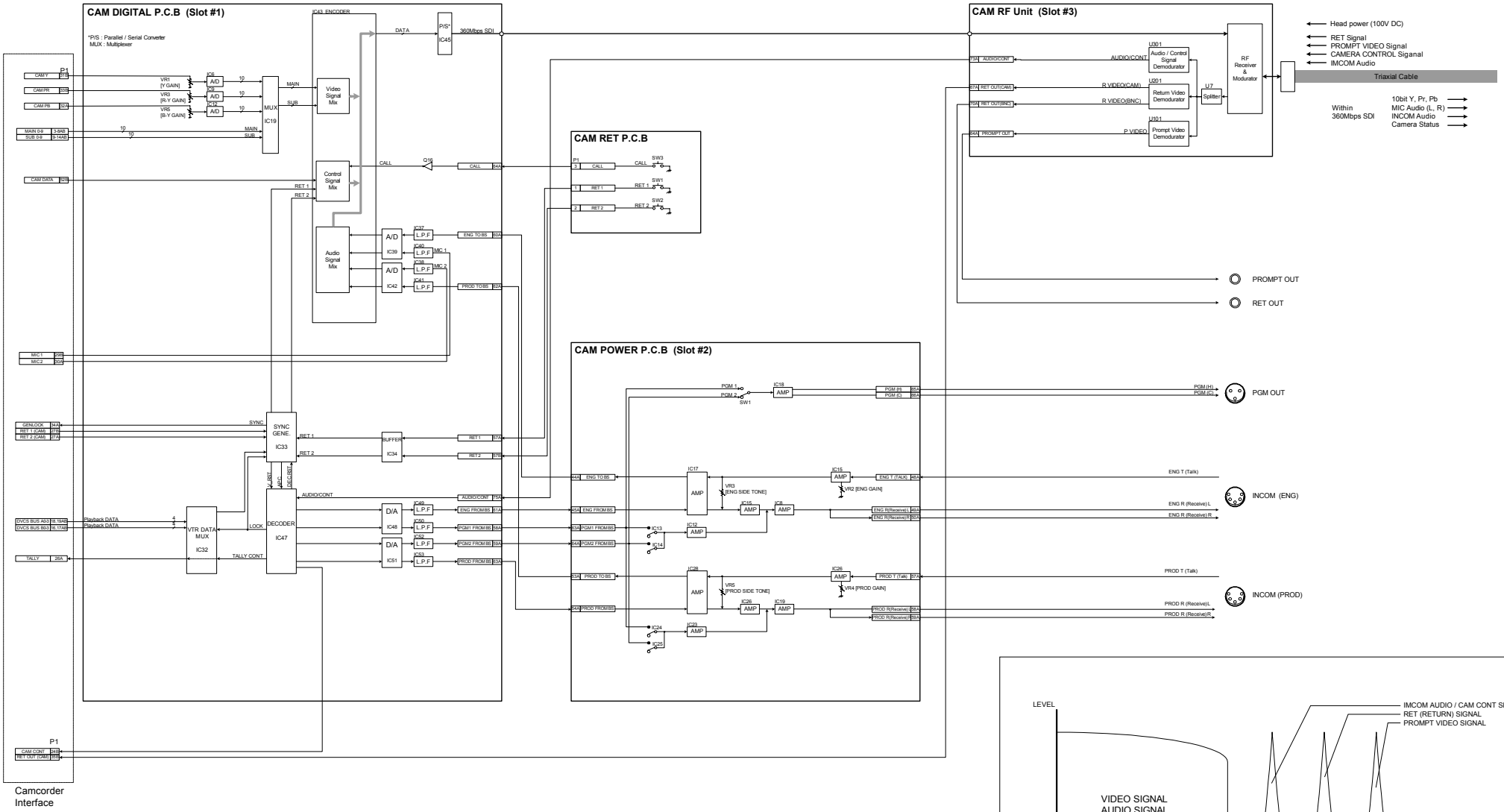
CAUTION

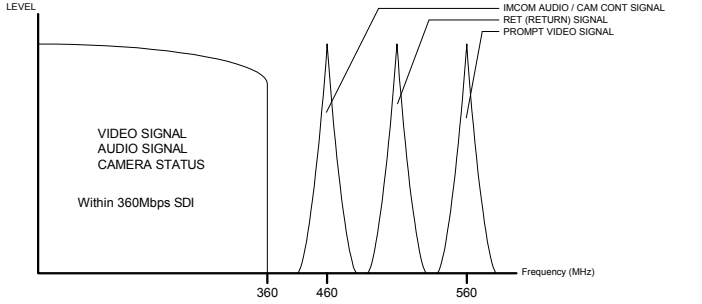
THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
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Digital Triax Camera adapter : AJ-CA900H

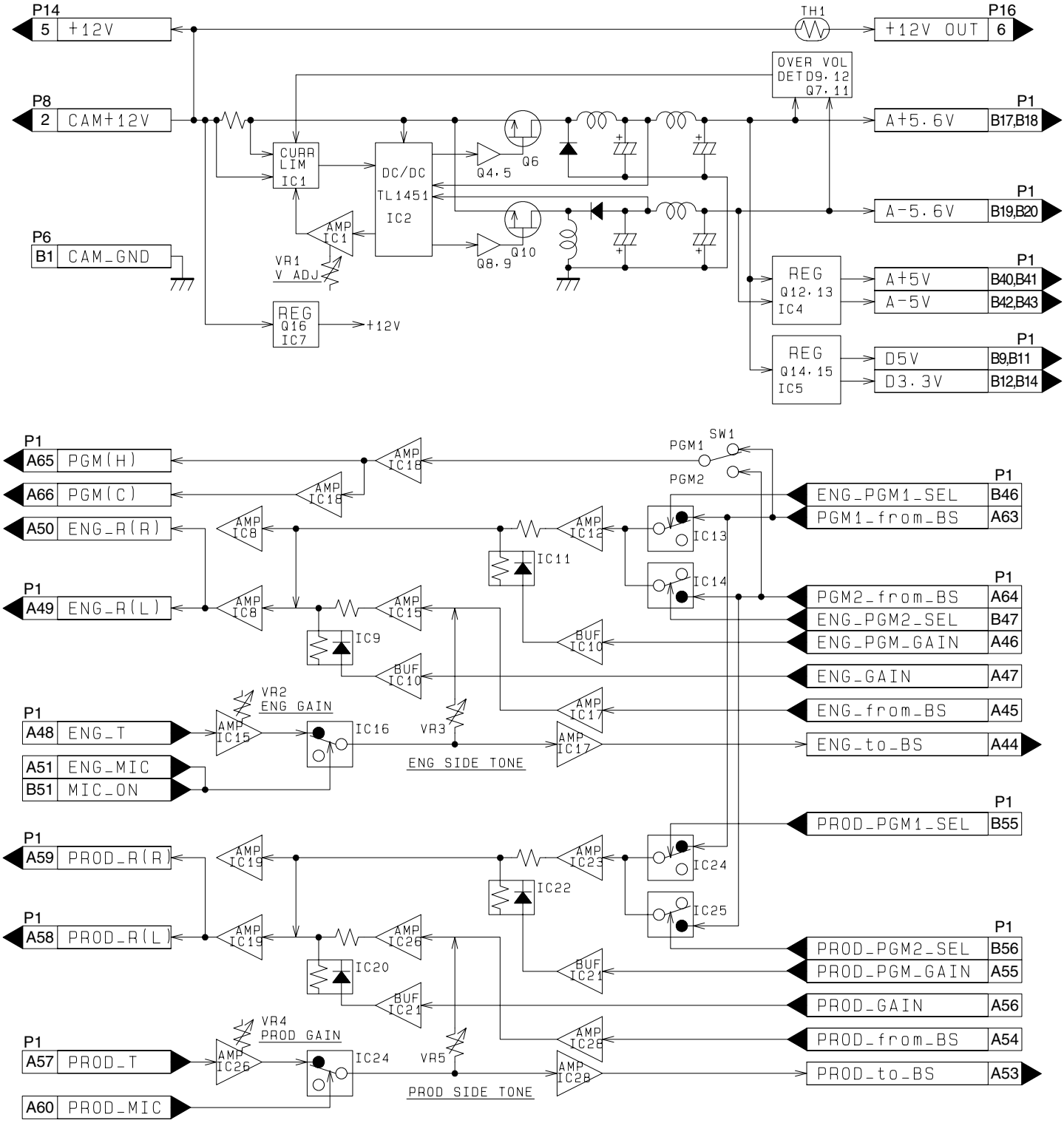
OVERALL BLOCK DIAGRAM



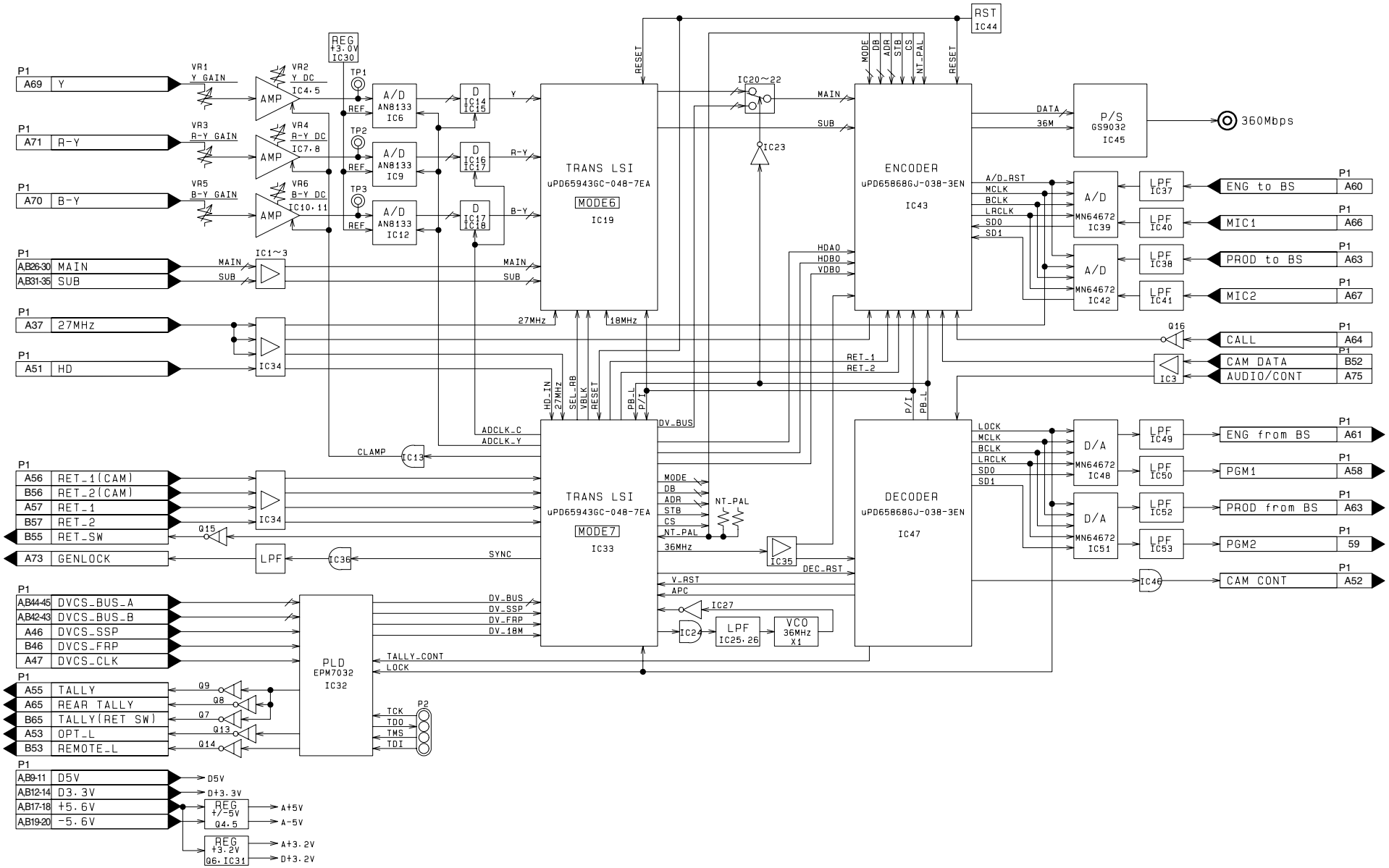


Frequency Distribution of Transmission signals

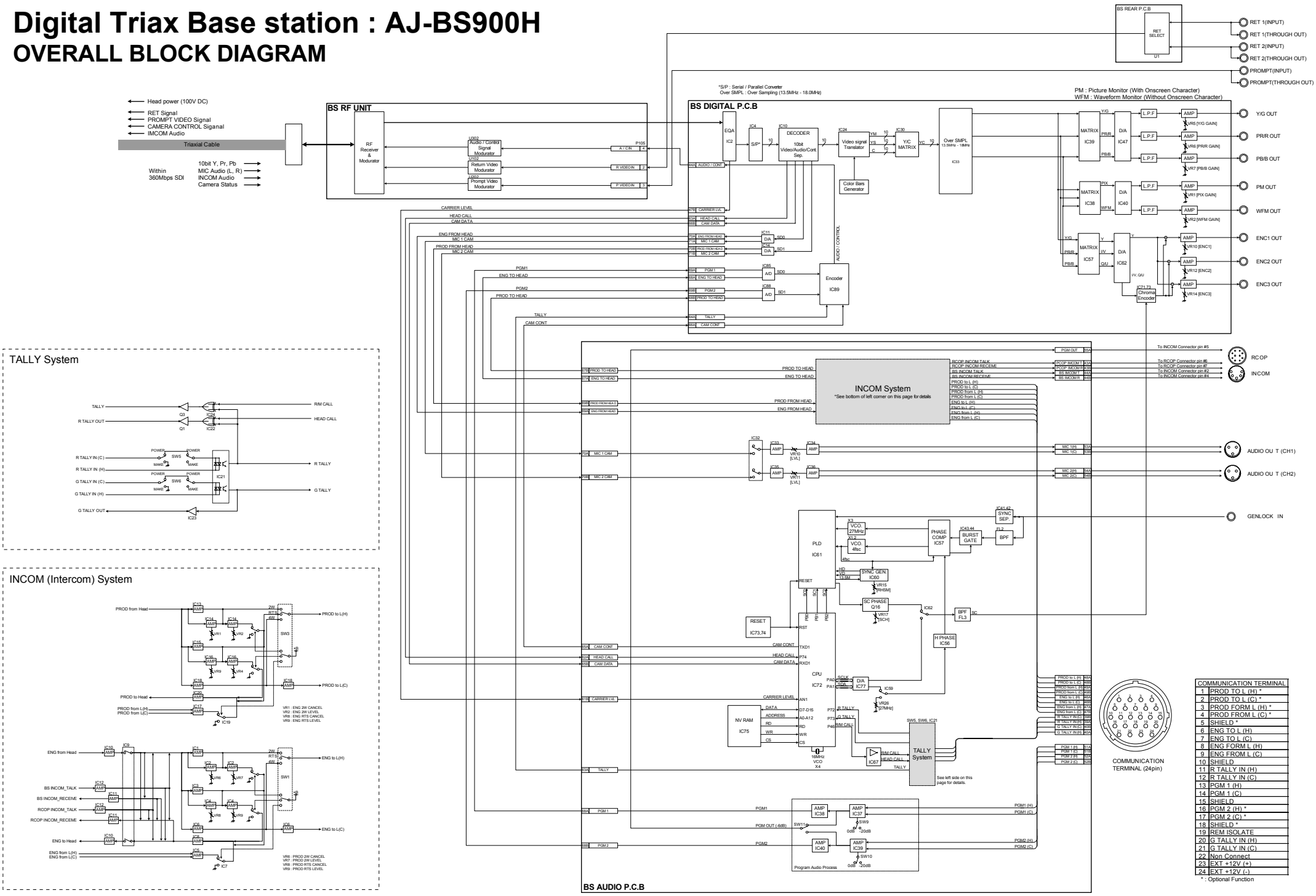
CAM POWER BLOCK DIAGRAM



CAM DIGITAL BLOCK DIAGRAM



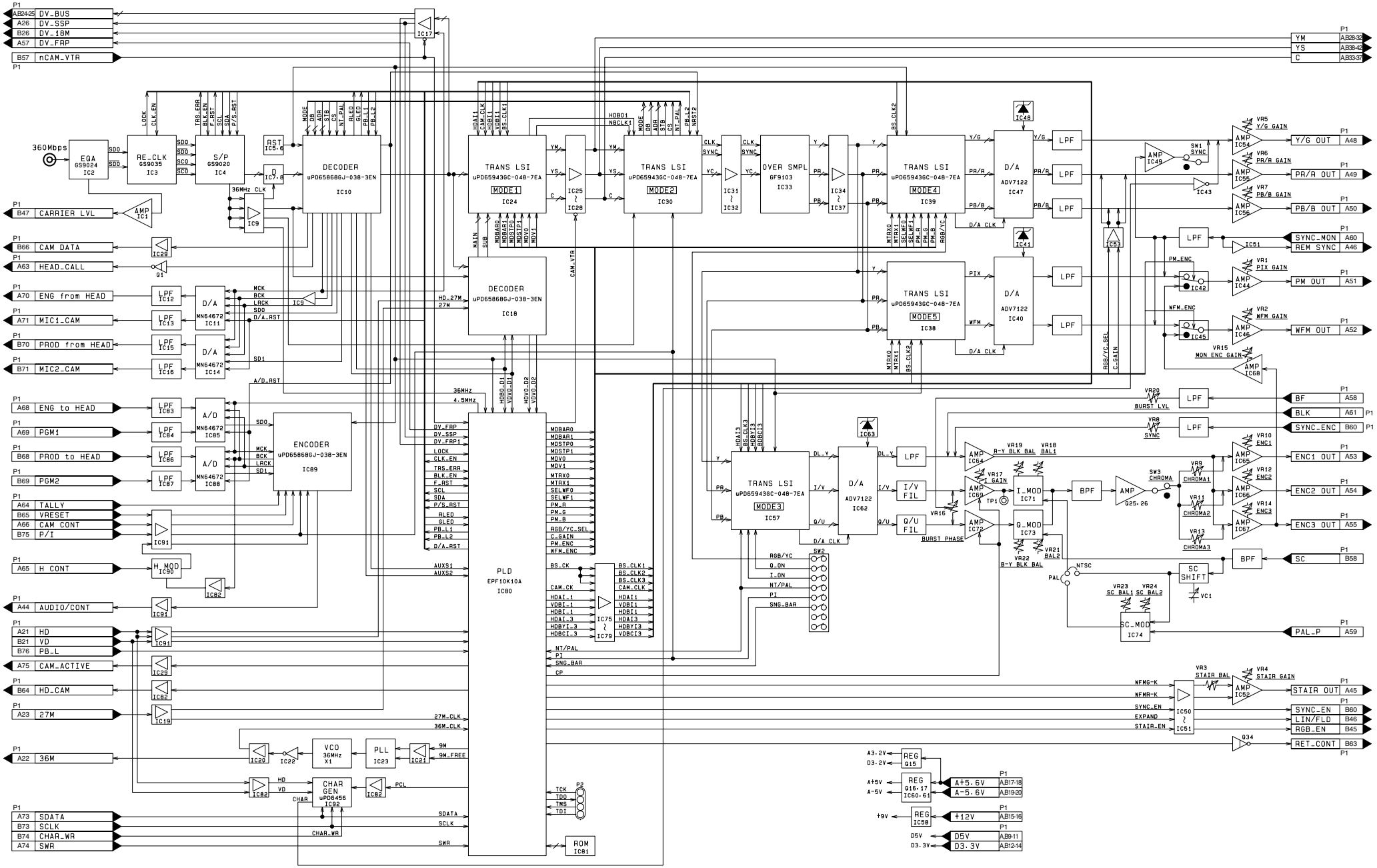
Digital Triax Base station : AJ-BS900H
OVERALL BLOCK DIAGRAM



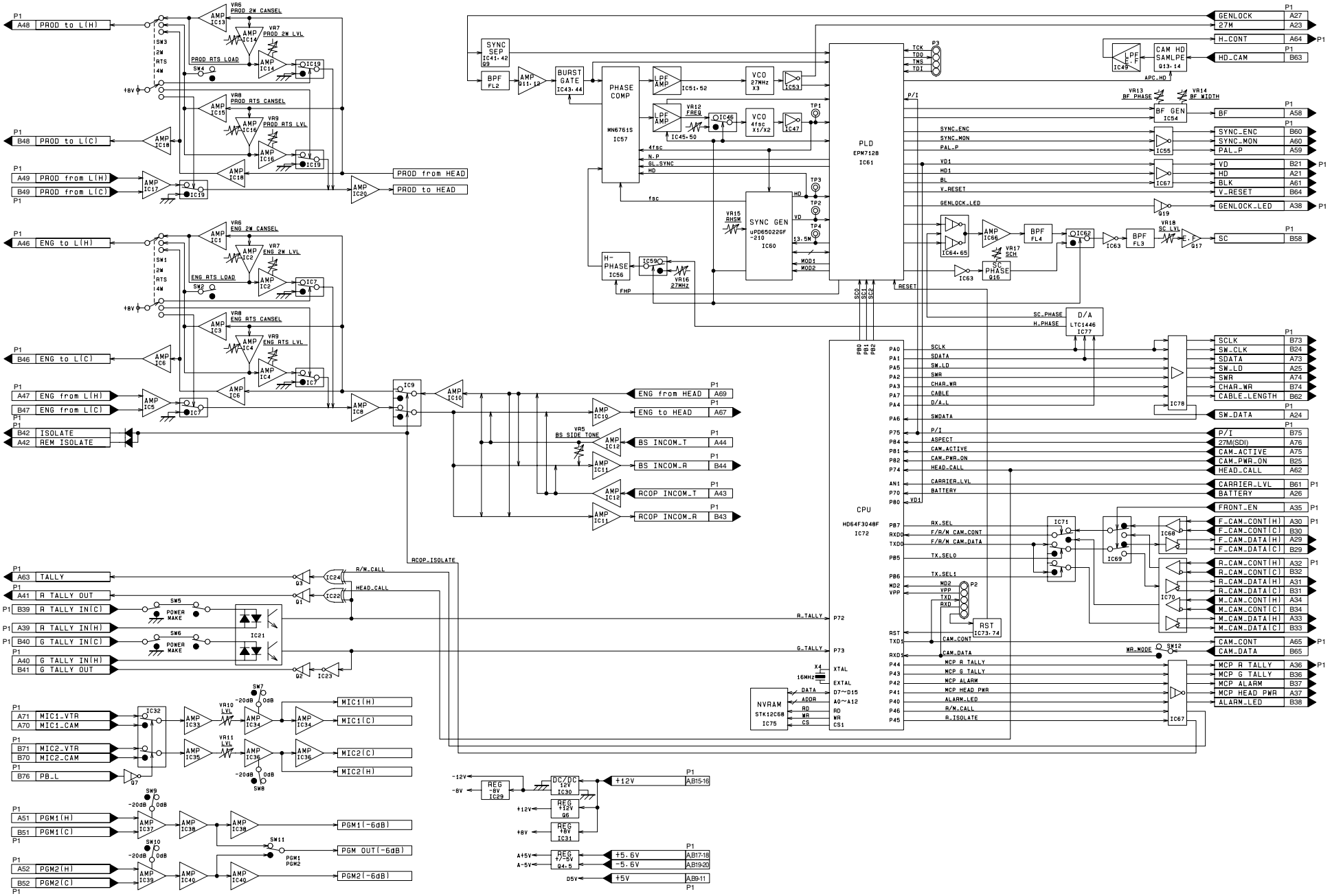
COMMUNICATION TERMINAL	
1	PROD TO L (H) *
2	PROD TO L (C) *
3	PROD FORM L (H) *
4	PROD FROM L (C) *
5	SHIELD *
6	ENG TO L (H)
7	ENG TO L (C)
8	ENG FORM L (H)
9	ENG FROM L (C)
10	SHIELD
11	R TALLY IN (H)
12	R TALLY IN (C)
13	PGM 1 (H)
14	PGM 1 (C)
15	SHIELD
16	PGM 2 (H) *
17	PGM 2 (C) *
18	SHIELD *
19	REM ISOLATE
20	G TALLY IN (H)
21	G TALLY IN (C)
22	Non Connect
23	EXT +12V (+)
24	EXT +12V (-)

* : Optional Function

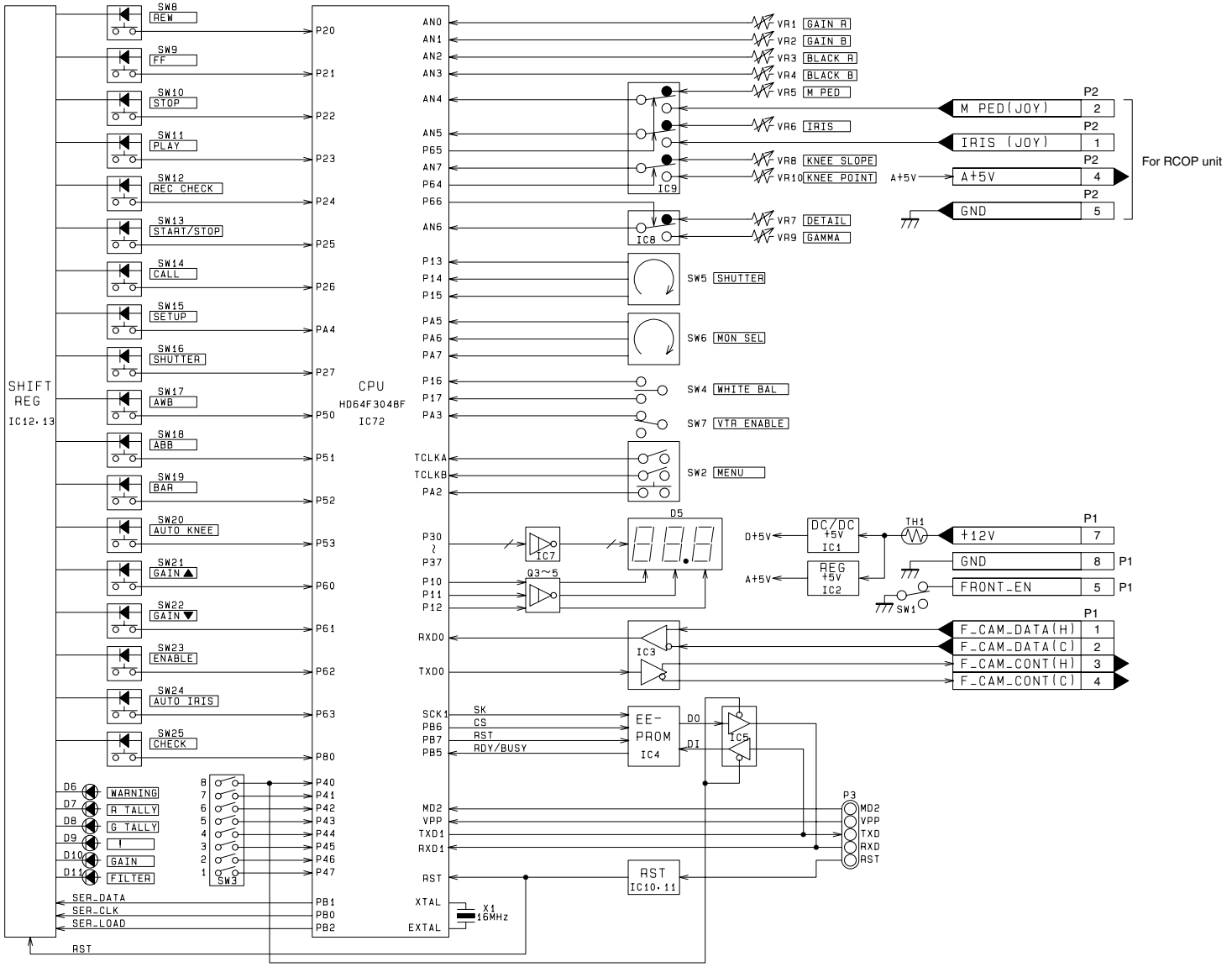
BS DIGITAL BLOCK DIAGRAM



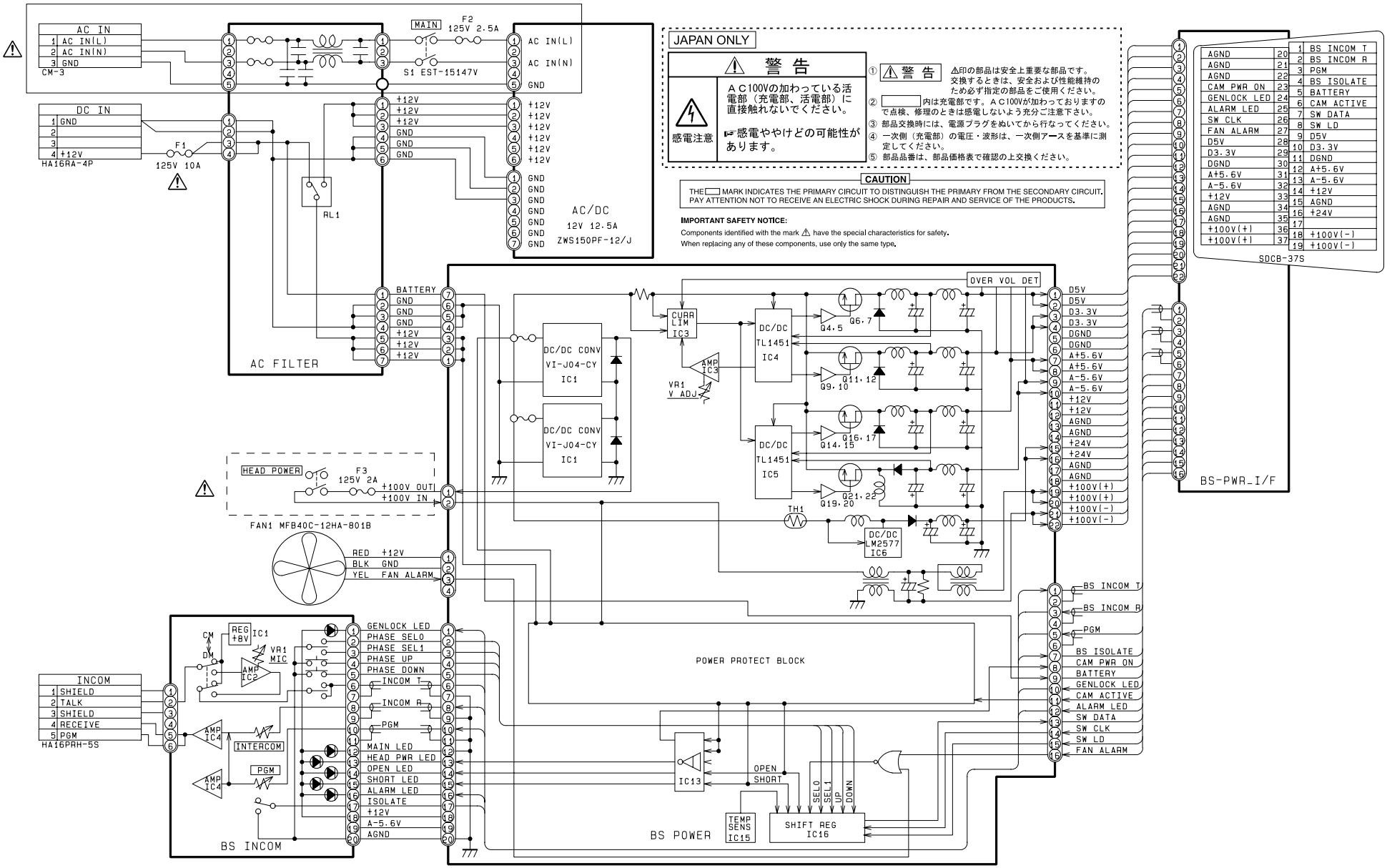
BS AUDIO BLOCK DIAGRAM



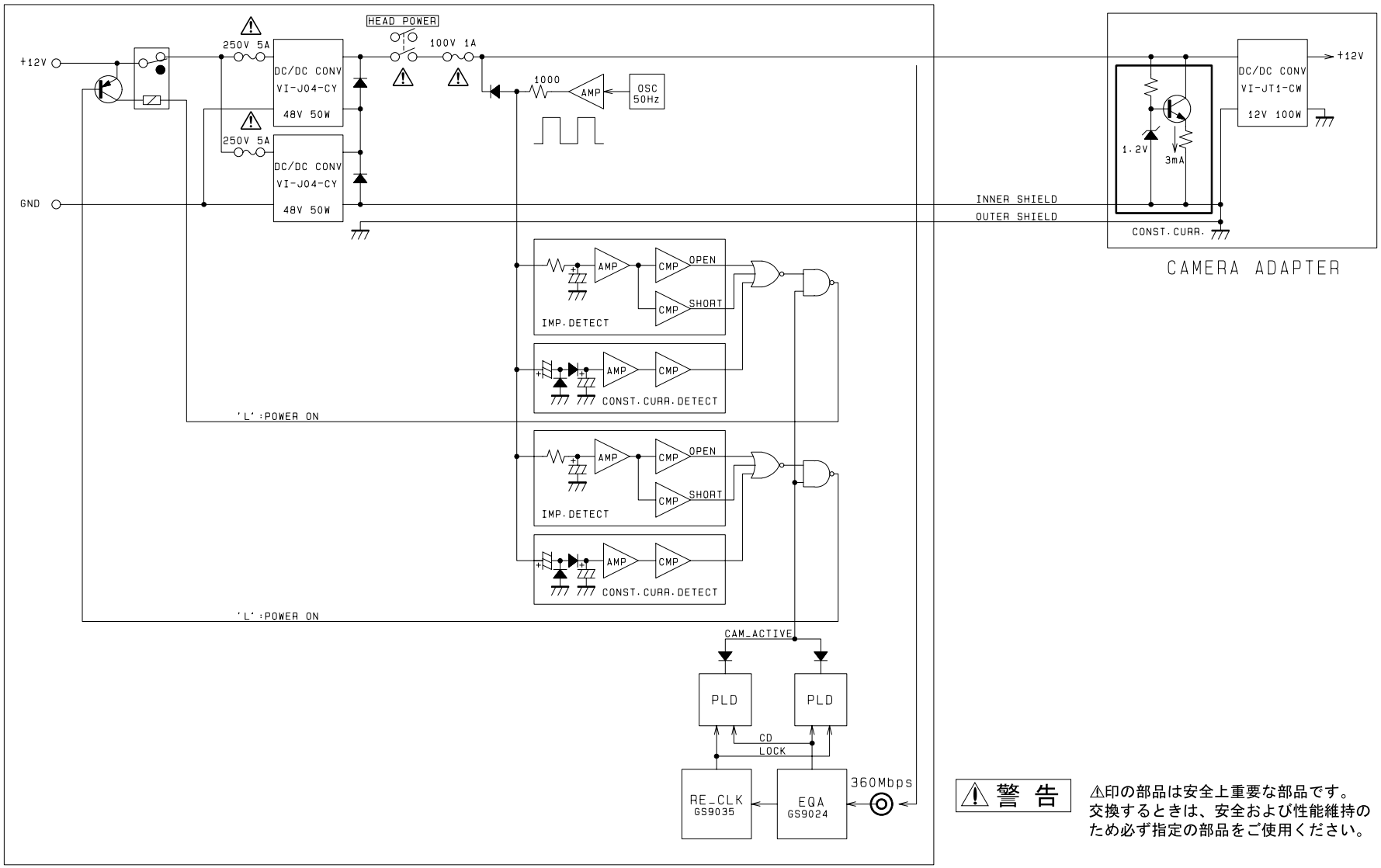
BS FRONT BLOCK DIAGRAM



BS POWER BLOCK DIAGRAM



POWER PROTECT BLOCK DIAGRAM



⚠警 告

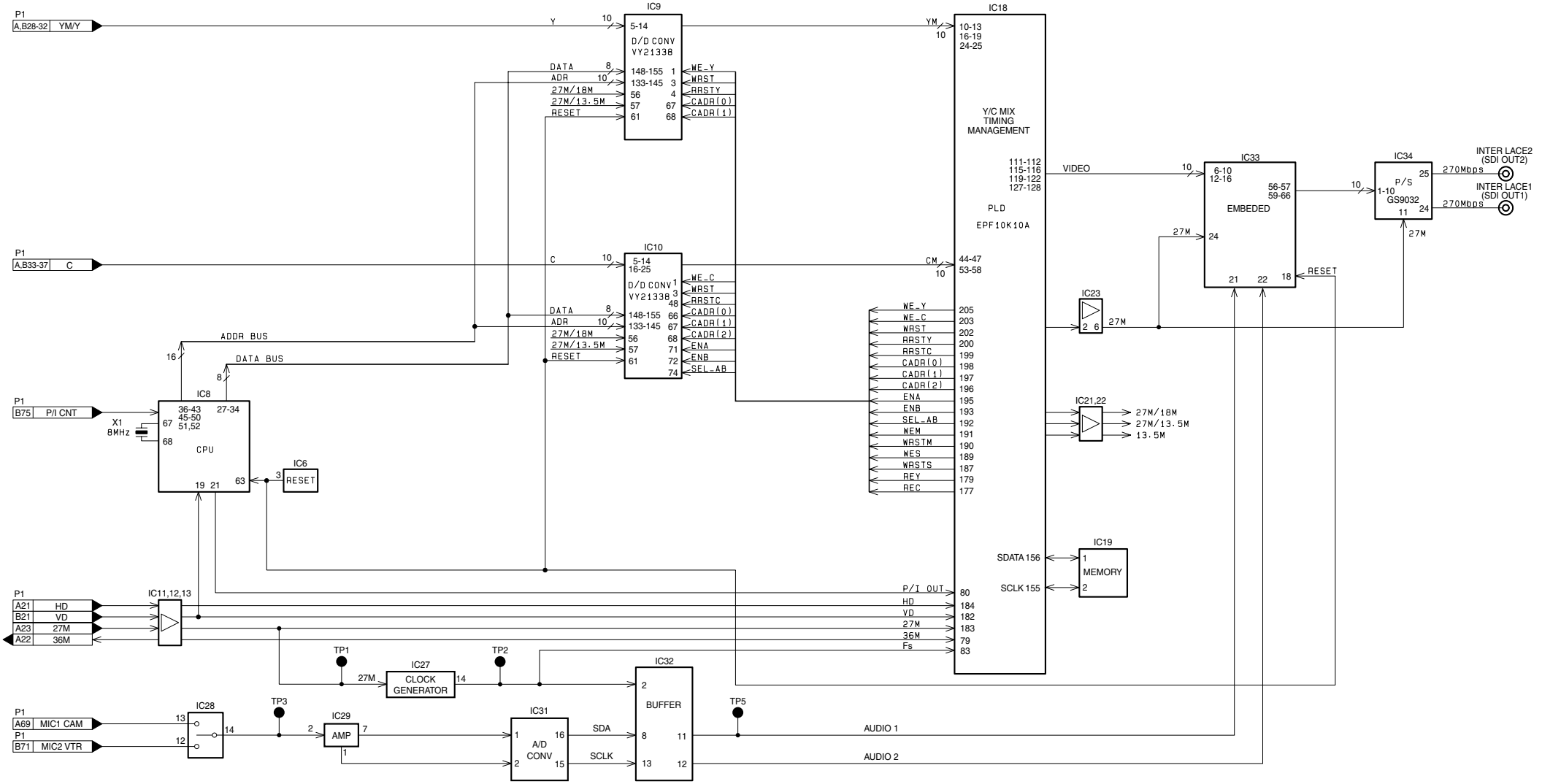
⚠印の部品は安全上重要な部品です。
交換するときは、安全および性能維持の
ため必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

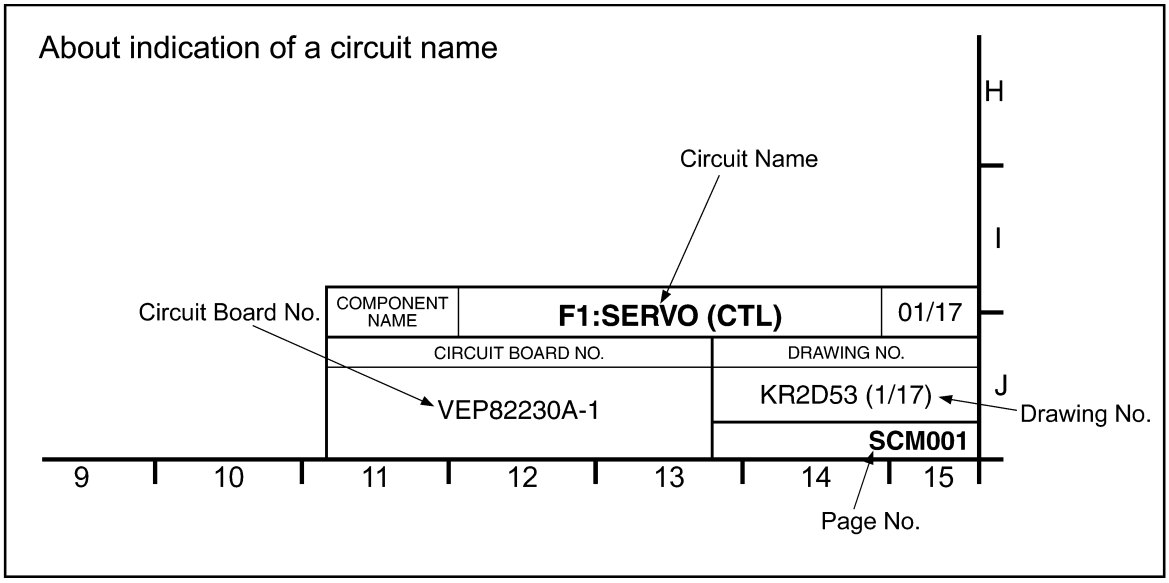
Digital Triax Serial Digital Output Board : AJ-YA901P/EN

OVERALL BLOCK DIAGRAM



SECTION 6

SCHEMATIC DIAGRAMS



NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 8

CAUTION

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CONTENTS

AJ-CA900H INTER CONNECTION
INTER CONNECTION (1/5)..... SCM1
INTER CONNECTION (2/5)..... SCM2
INTER CONNECTION (3/5)..... SCM3
INTER CONNECTION (4/5)..... SCM4
INTER CONNECTION (5/5)..... SCM5

CAM MOTHER
CAM MOTHER..... SCM6

CAM POWER (STANDARD)
CAM POWER (STANDARD)..... SCM7

CAM DIGITAL (STANDARD)
CAM DIGITAL (STANDARD) (1/2)..... SCM8
CAM DIGITAL (STANDARD) (2/2)..... SCM9

DUPLEXER
DUPLEXER..... SCM11

FET SUB
FET SUB..... SCM12

CAM INCOM (STANDARD)
CAM INCOM (STANDARD)..... SCM13

CAM DCIN
CAM DCIN..... SCM14

CAM RET
CAM RET..... SCM15

CAM IF
CAM IF..... SCM16

AJ-YA600P CAM SPACER
CAM SPACER..... SCM17

AJ-YA600P CAM FLEX
CAM FLEX..... SCM18

AJ-BS900H INTER CONNECTION
INTER CONNECTION (1/6)..... SCM19
INTER CONNECTION (2/6)..... SCM20
INTER CONNECTION (3/6)..... SCM21
INTER CONNECTION (4/6)..... SCM22
INTER CONNECTION (5/6)..... SCM23
INTER CONNECTION (6/6)..... SCM24

BS MOTHER
BS MOTHER..... SCM25

BS DIGITAL (NTSC)
BS DIGITAL (1/4)..... SCM26
BS DIGITAL (2/4)..... SCM27
BS DIGITAL (3/4)..... SCM28
BS DIGITAL (4/4)..... SCM29

BS DIGITAL (PAL)
BS DIGITAL (1/4)..... SCM30
BS DIGITAL (2/4)..... SCM31
BS DIGITAL (3/4)..... SCM32
BS DIGITAL (4/4)..... SCM33

BS DIGITAL SUB
BS DIGITAL SUB..... SCM34

SETUP SUB
SETUP SUB.....SCM35

BS AUDIO (NTSC)
BS AUDIO (1/2).....SCM36
BS AUDIO (2/2).....SCM37

BS AUDIO (PAL)
BS AUDIO (1/2).....SCM38
BS AUDIO (2/2).....SCM39

BS FRONT
BS FRONT.....SCM40

ECU LED
ECU LED.....SCM41

BS REAR
BS REAR.....SCM42

BS COMM
BS COMM.....SCM43

BS AUDIO_CN
BS AUDIO_CN.....SCM44

BS POWER GENERAL
BS POWER GENERAL.....SCM45

BS POWER
BS POWER.....SCM46

BS POWER SUB
BS POWER SUB.....SCM47

BS AC FILTER
BS AC FILTER.....SCM48

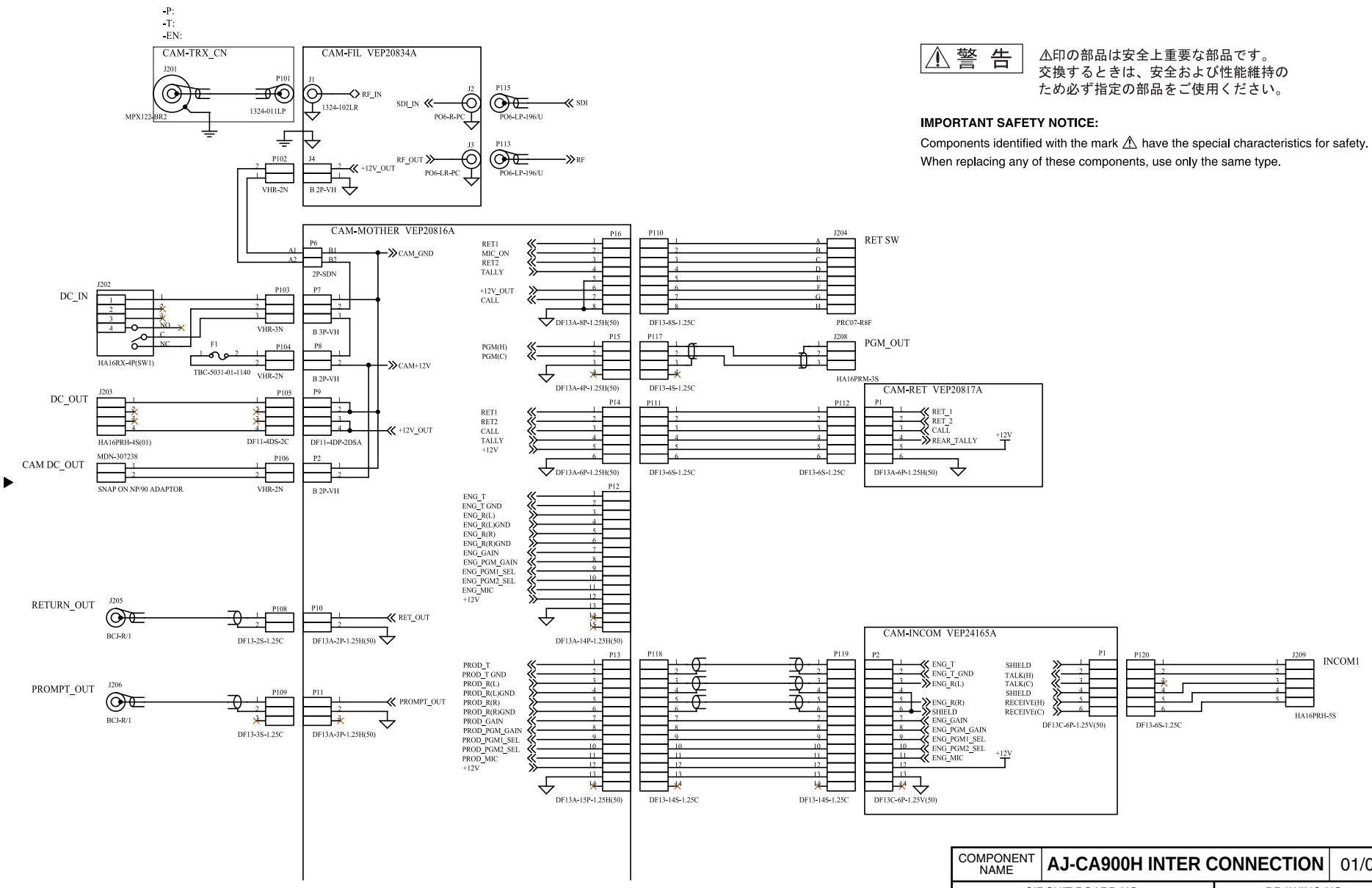
BS INCOM
BS INCOM.....SCM49

BS PWR I/F
BS PWR I/F.....SCM50

BS RFU INTER CONNECTION
INTER CONNECTION.....SCM51

DUPLEXER
DUPLEXER.....SCM52

AJ-YA901P BS SDI
BS SDI (1/3).....SCM53
BS SDI (2/3).....SCM54
BS SDI (3/3).....SCM55



⚠警 告

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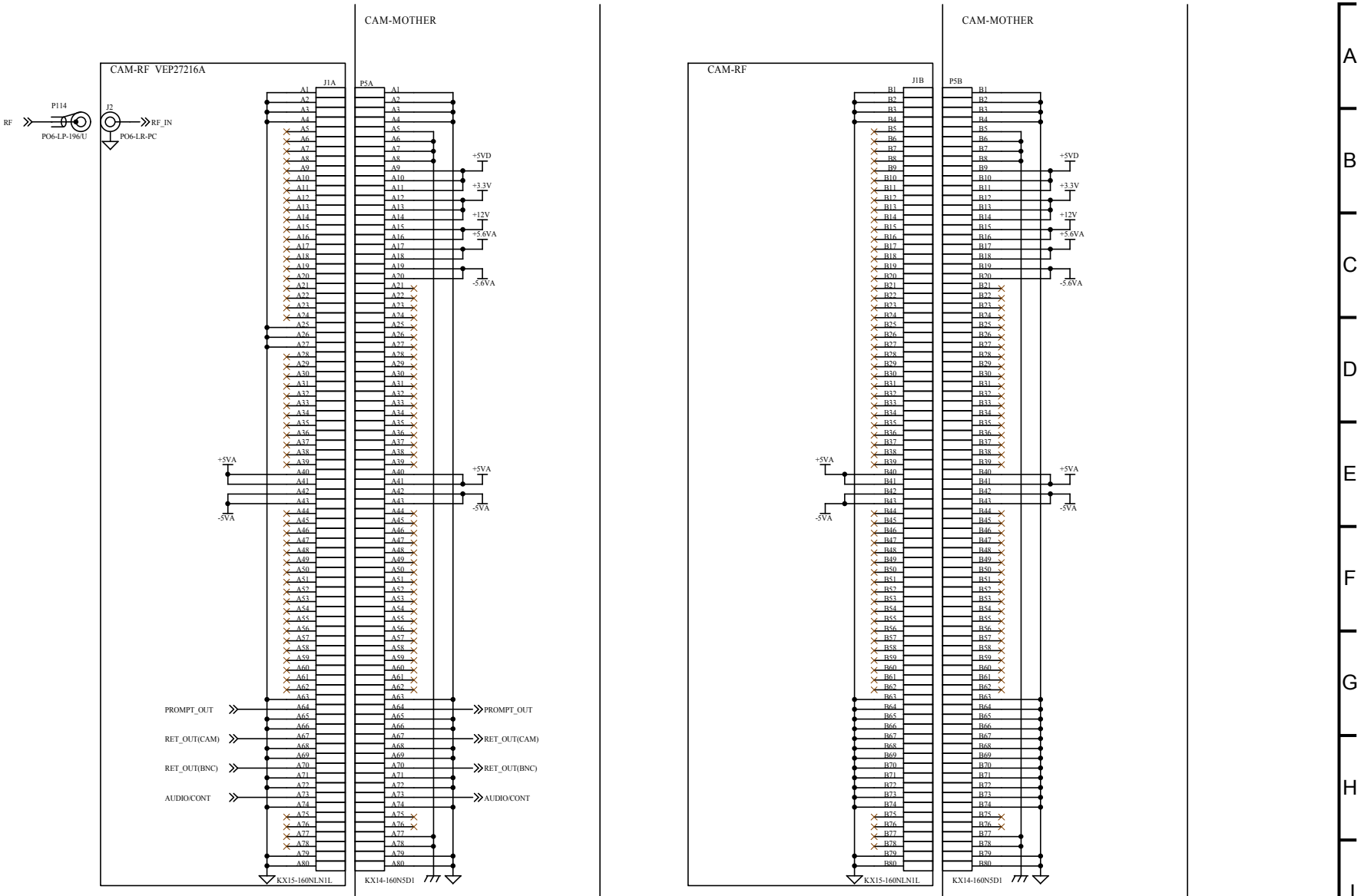
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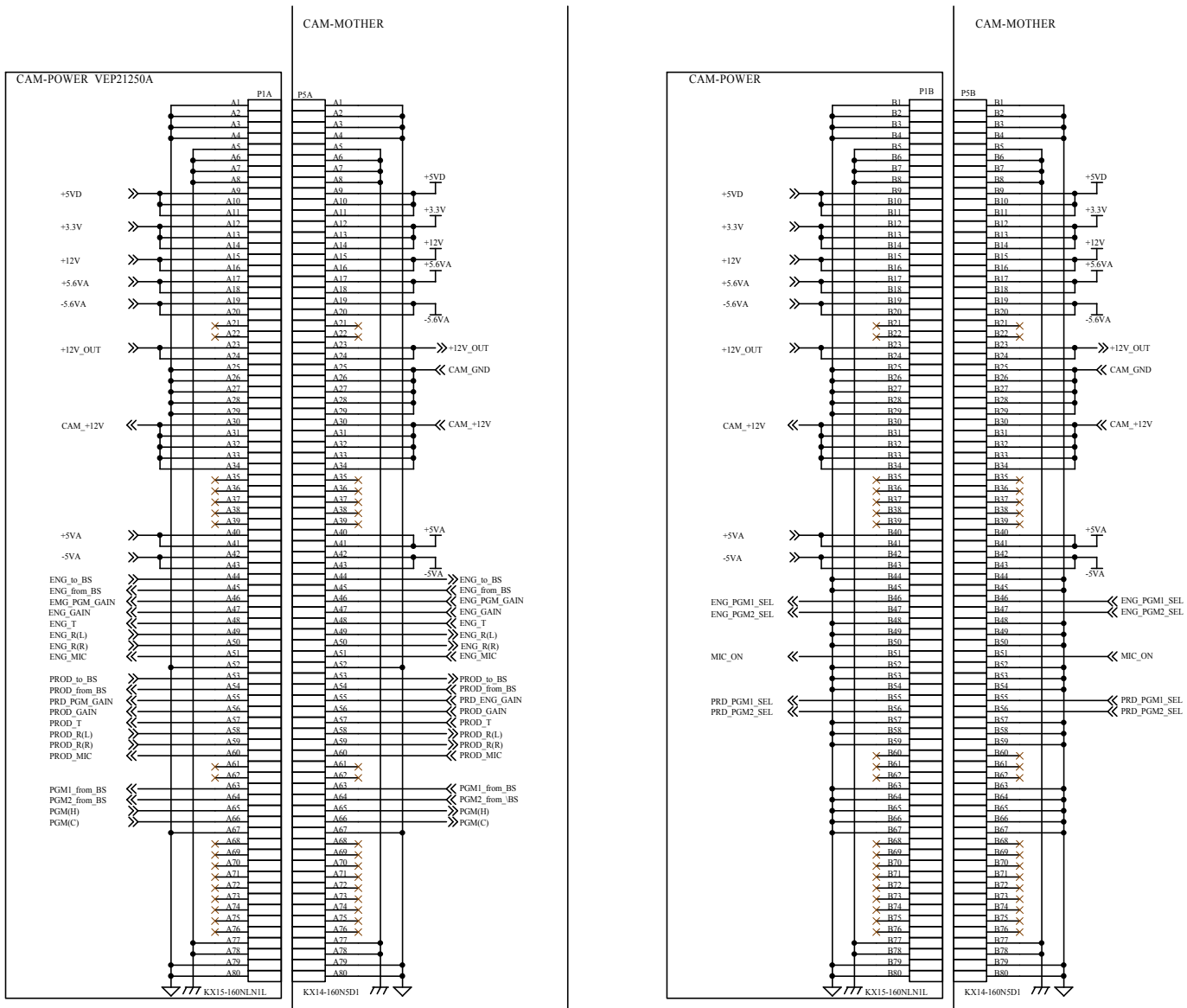
COMPONENT NAME	AJ-CA900H INTER CONNECTION	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K04	
	SCM001	

A B C D E F G H I J

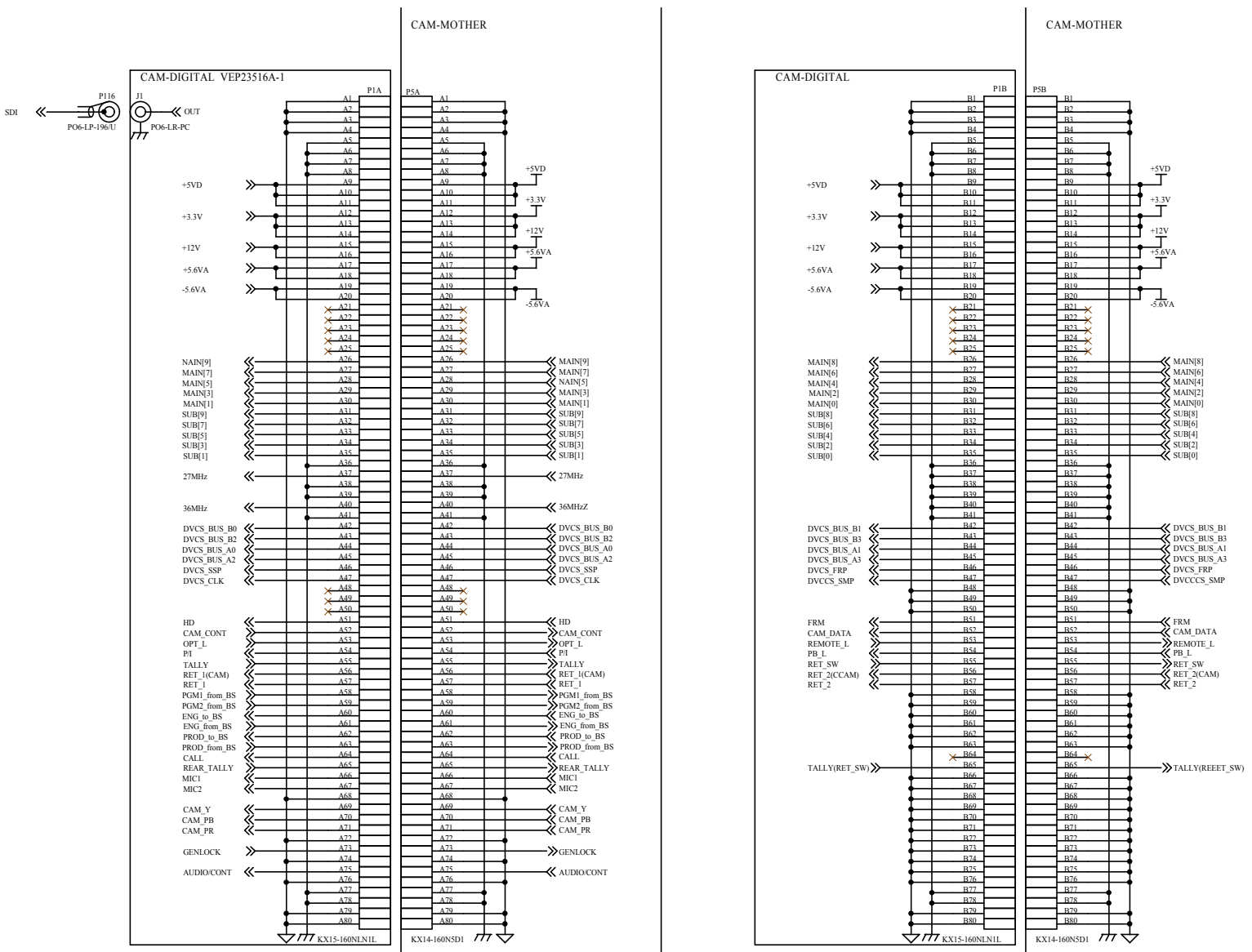
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



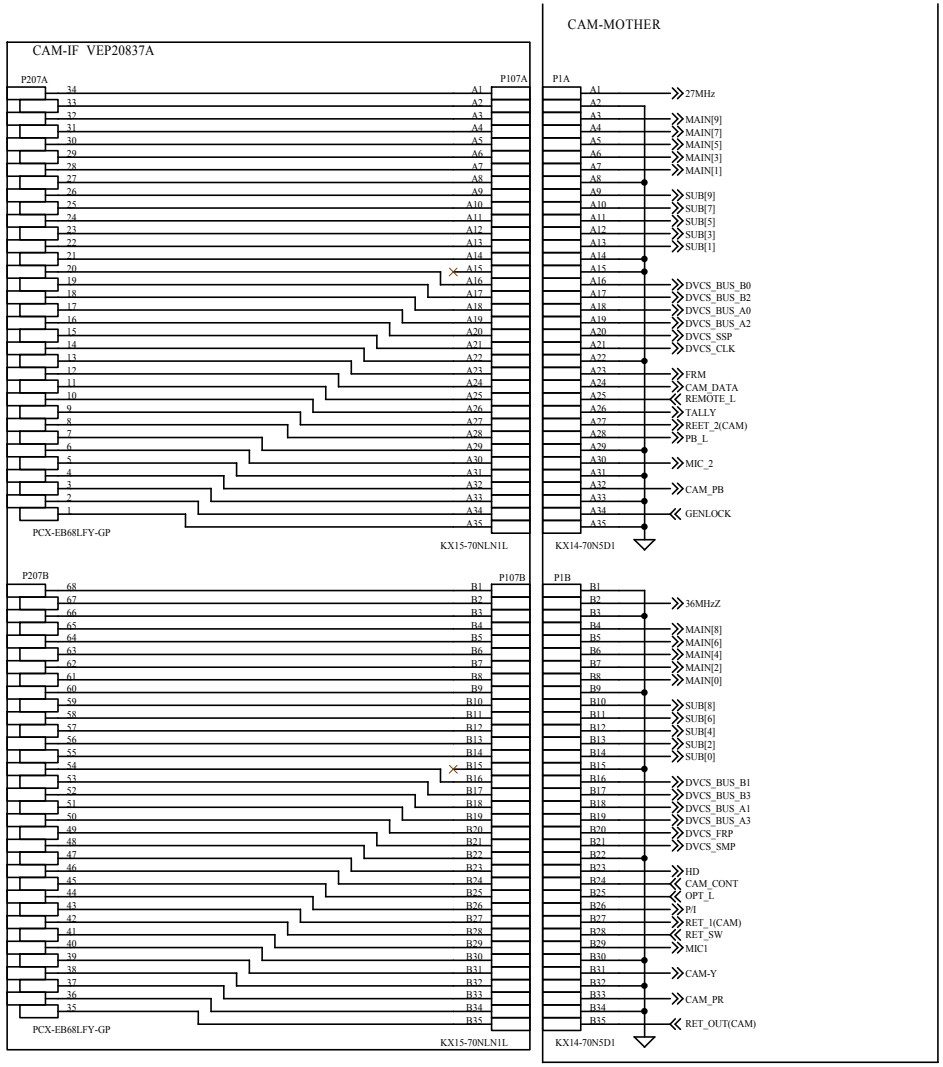
COMPONENT NAME	AJ-CA900H INTER CONNECTION	02/05
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K04	
	SCM002	



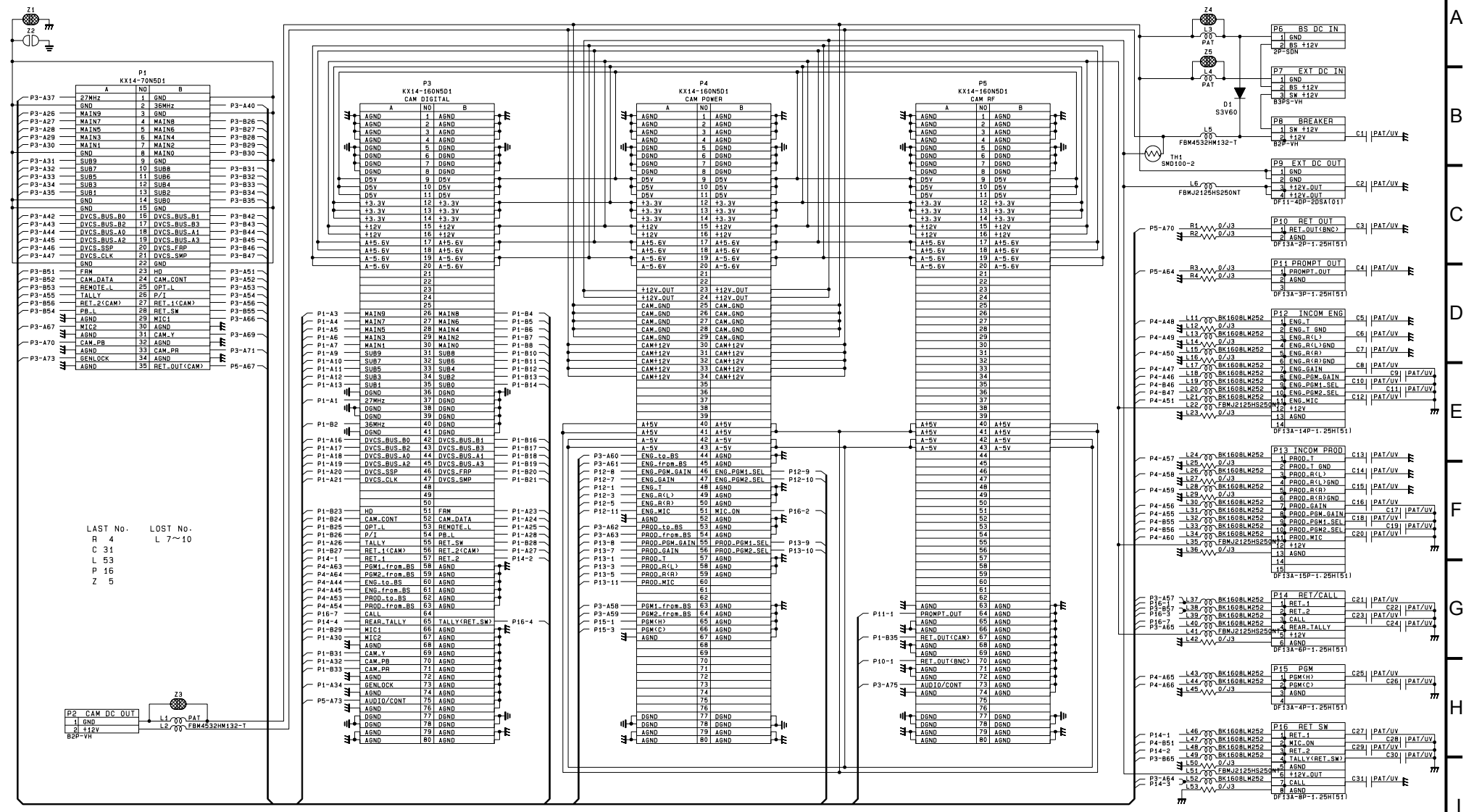
COMPONENT NAME	AJ-CA900H INTER CONNECTION	03/05
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K04	
	SCM003	



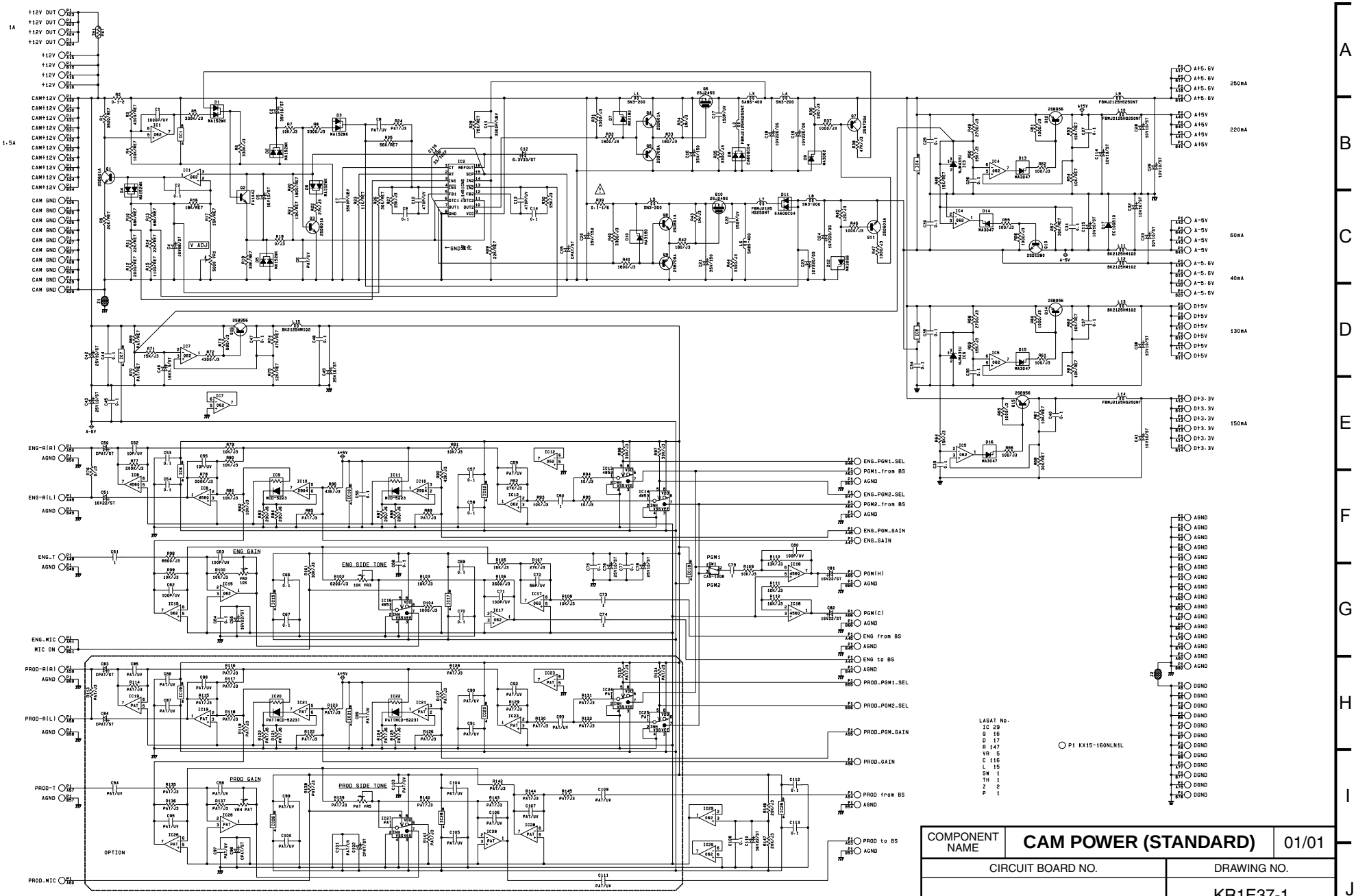
COMPONENT NAME	AJ-CA900H INTER CONNECTION	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K04	
	SCM004	



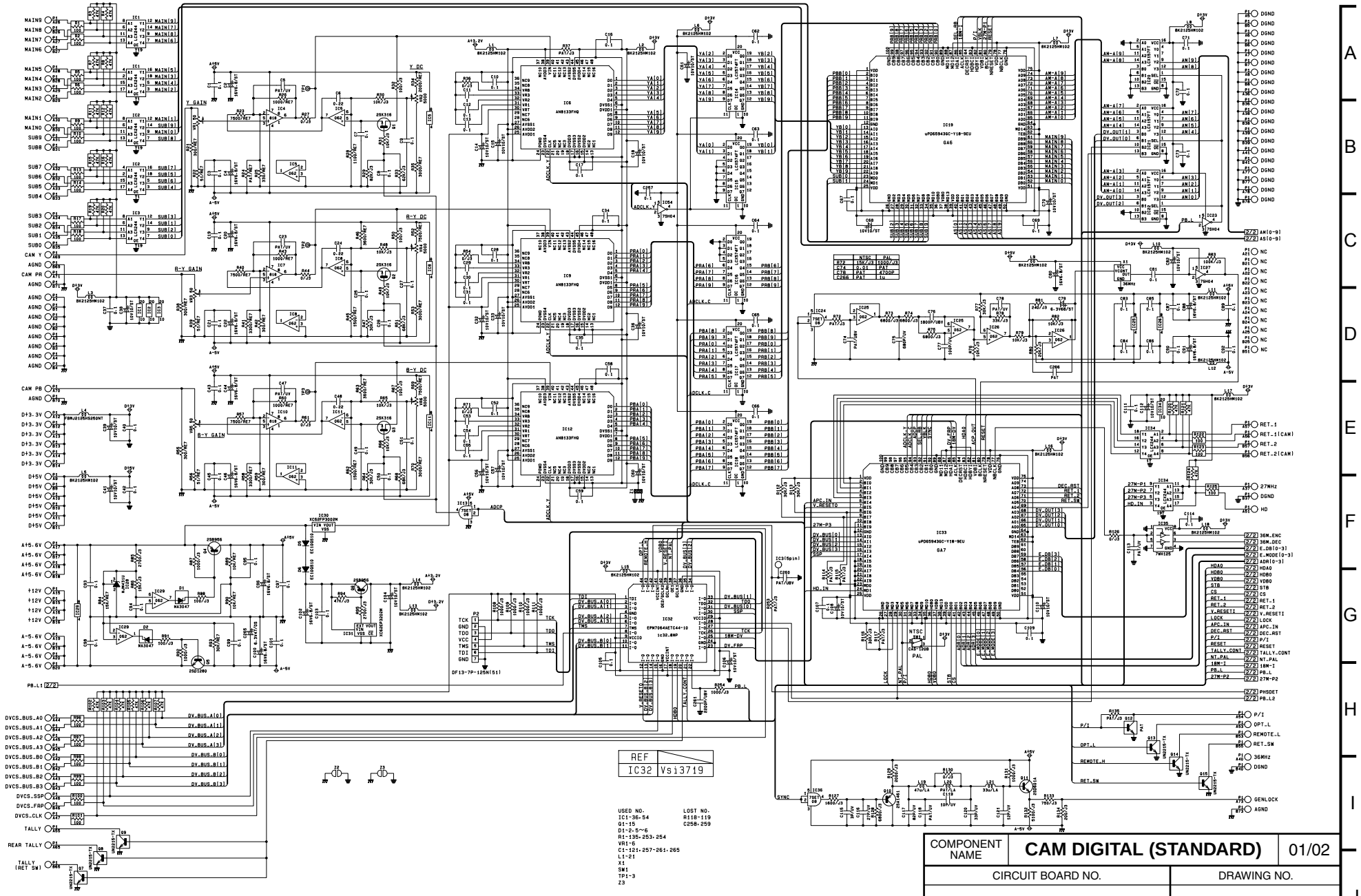
COMPONENT NAME	AJ-CA900H INTER CONNECTION	05/05
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K04	
	SCM005	



COMPONENT NAME	**CAM MOTHER**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP20816	KR0P16-1	
	SCM006	



COMPONENT NAME	CAM POWER (STANDARD)	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP21250	KR1E37-1	
	SCM007	

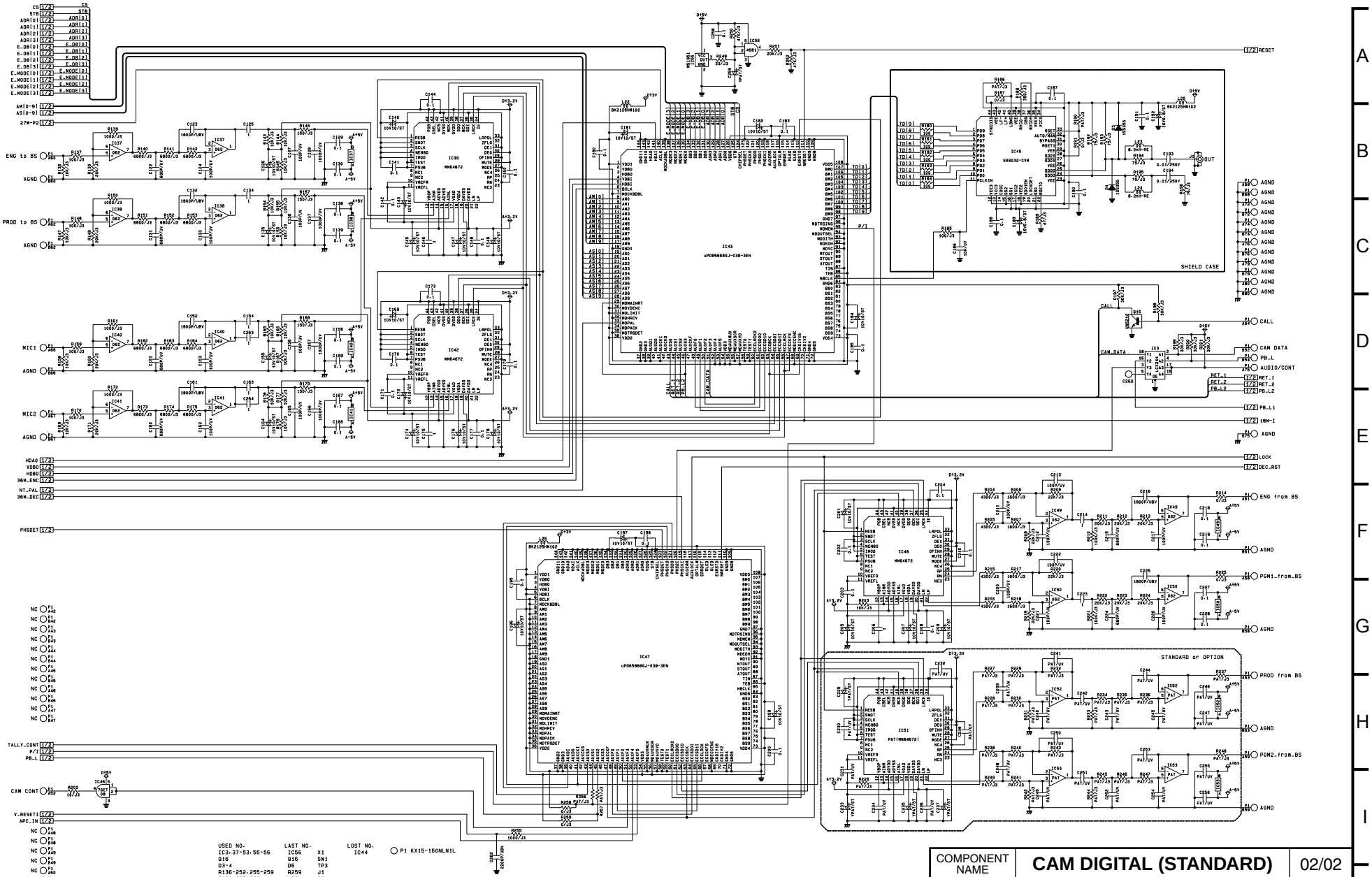


REF	
IC32	Vsi3719

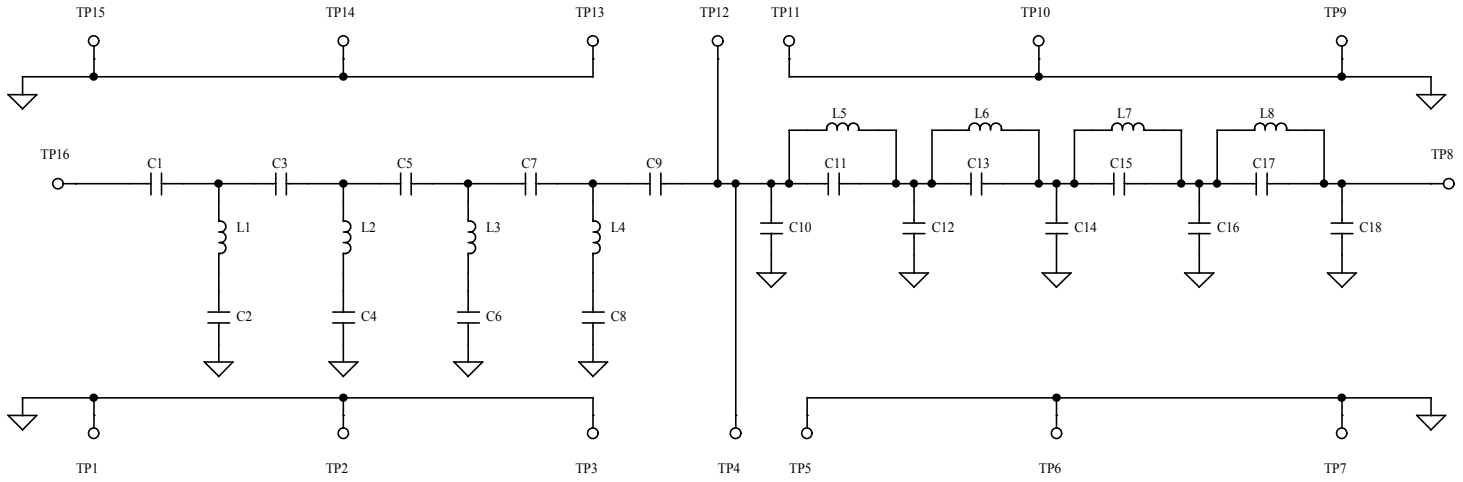
USED NO.
IC1-36.54
Q1-15
D1-2.5~6
R1-135.253.254
VR1-6
C1-121.257-261.265
L1-21
X1
SW1
TP1-3
Z3

LOST NO.
R118-119
C258.259

COMPONENT NAME	CAM DIGITAL (STANDARD)	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP23516		KR3Z36-2
		SCM008



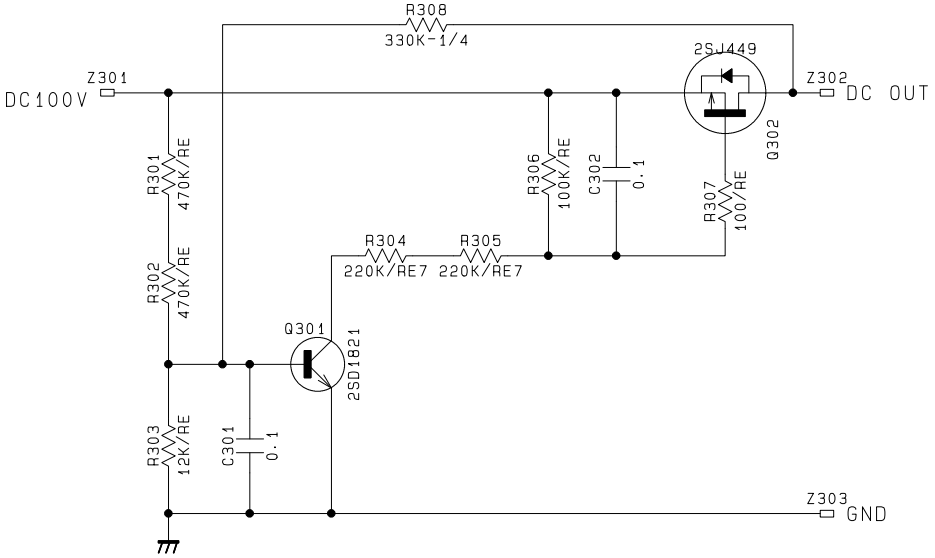
COMPONENT NAME	**CAM DIGITAL (STANDARD)**	02/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23516	KR3Z36-2	
	SCM009	



COMPONENT NAME	DUPLEXER	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20839		KR0P54
		SCM011

A B C D E F G H I J

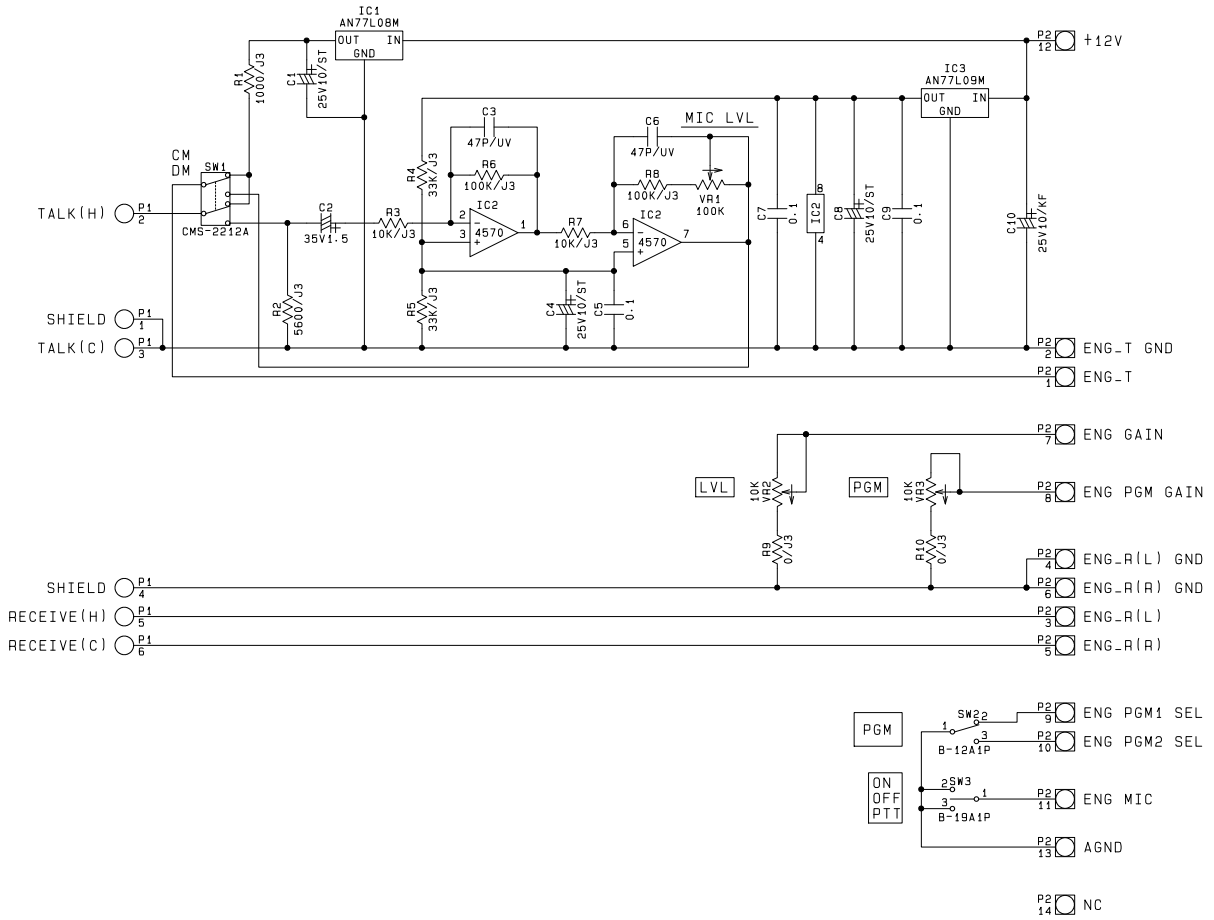
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	FET SUB	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP21256	KR1F19	
	SCM012	

A B C D E F G H I J

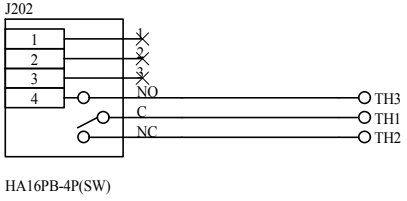
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



LAST No.
IC 3
R 10
VR 3
C 10
SW 3
P 2

P1 DF13C-6P-1.25V(50)
P2 DF13C-14P-1.25V(50)

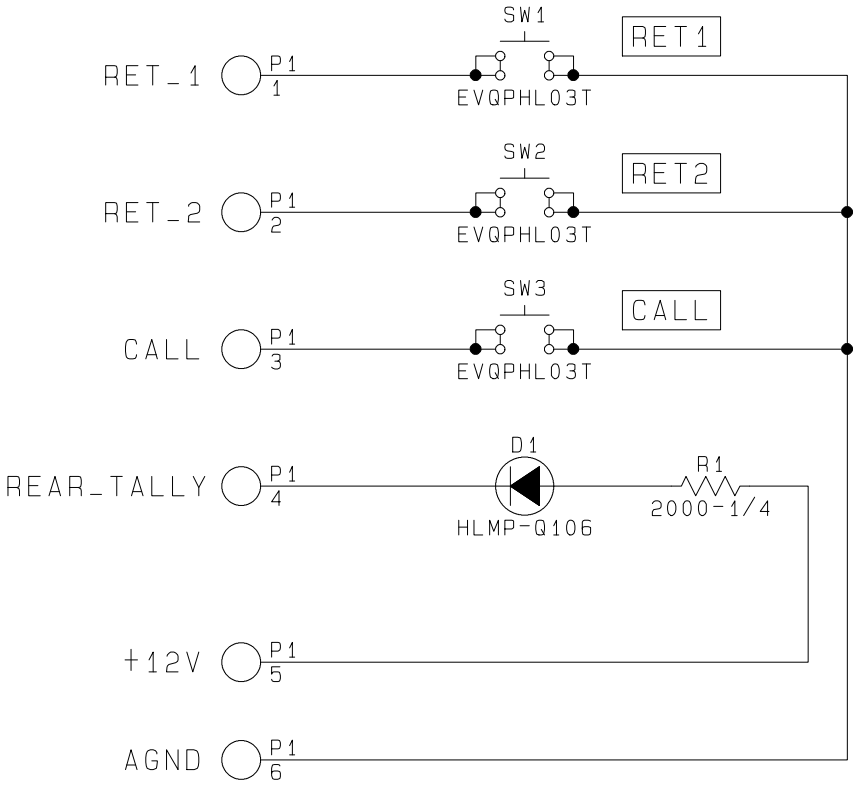
COMPONENT NAME	CAM INCOM (STANDARD)	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP24165		KR4J58-1
		SCM013



COMPONENT NAME	CAM-DCIN	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP20835	KR0P50	
	SCM014	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



LAST No.

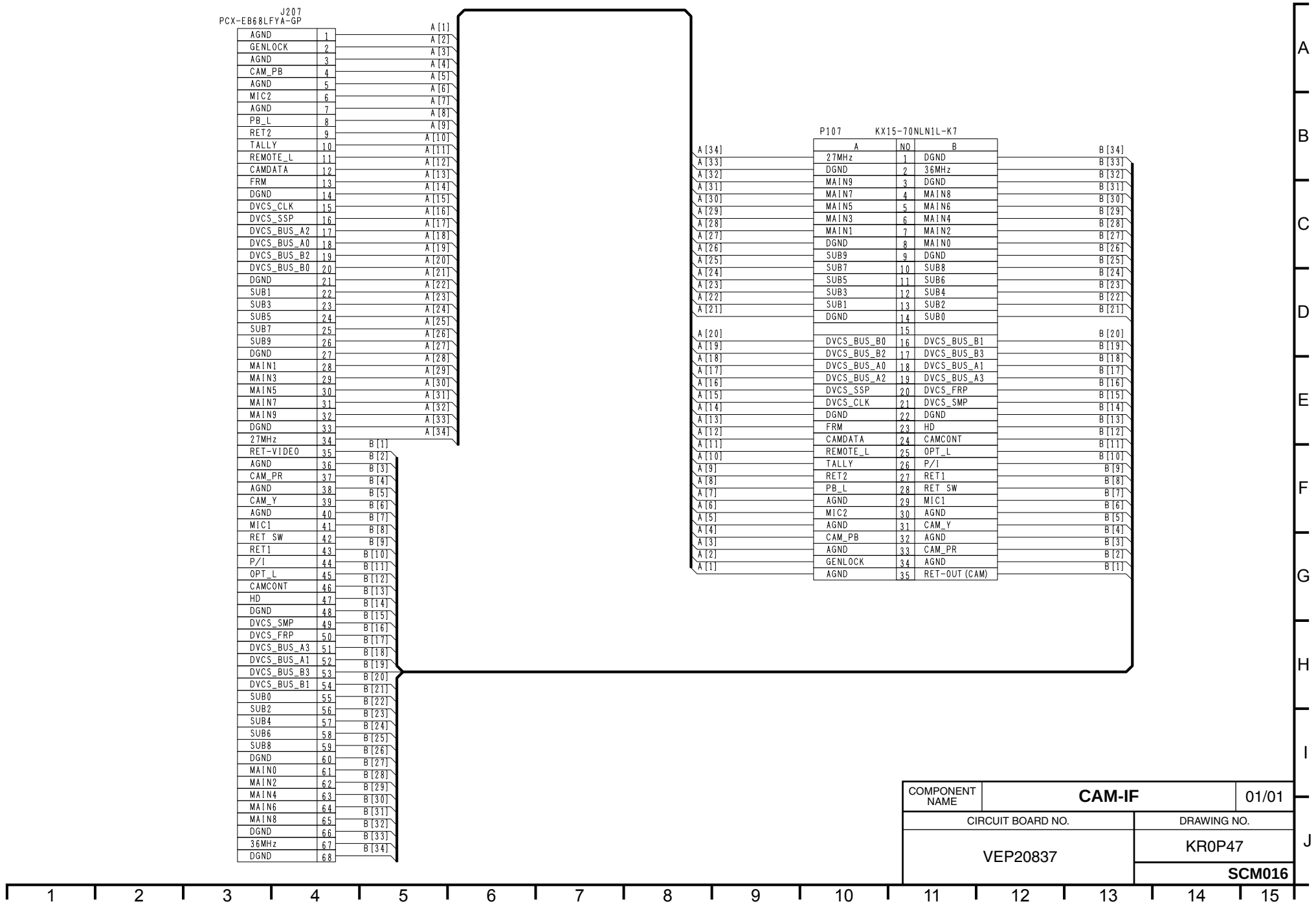
D	1
R	1
SW	3
P	1

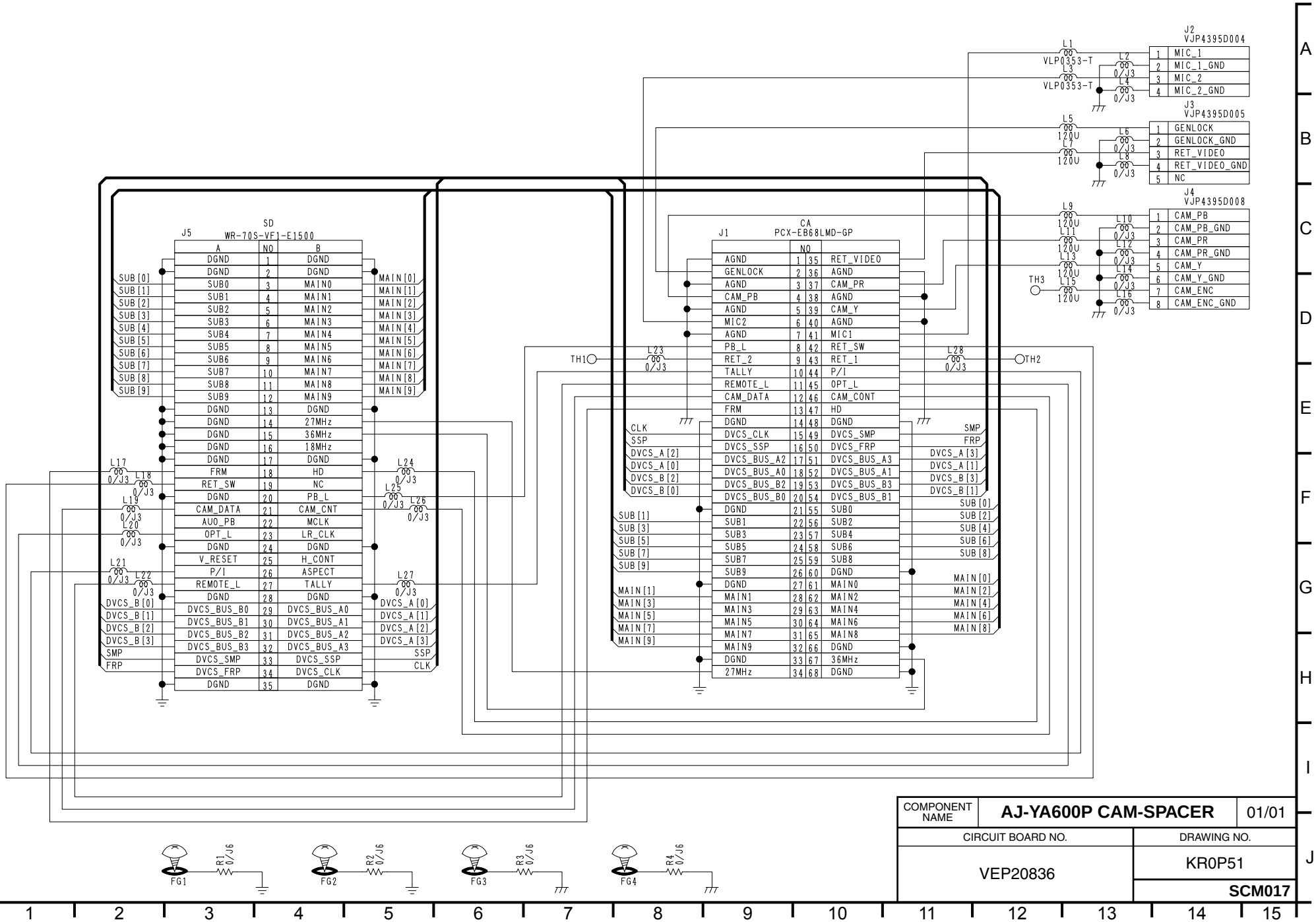
P1 DF13A-6P-1.25H(50)

COMPONENT NAME	**CAM RET**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20817		KR0P17
		SCM015

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

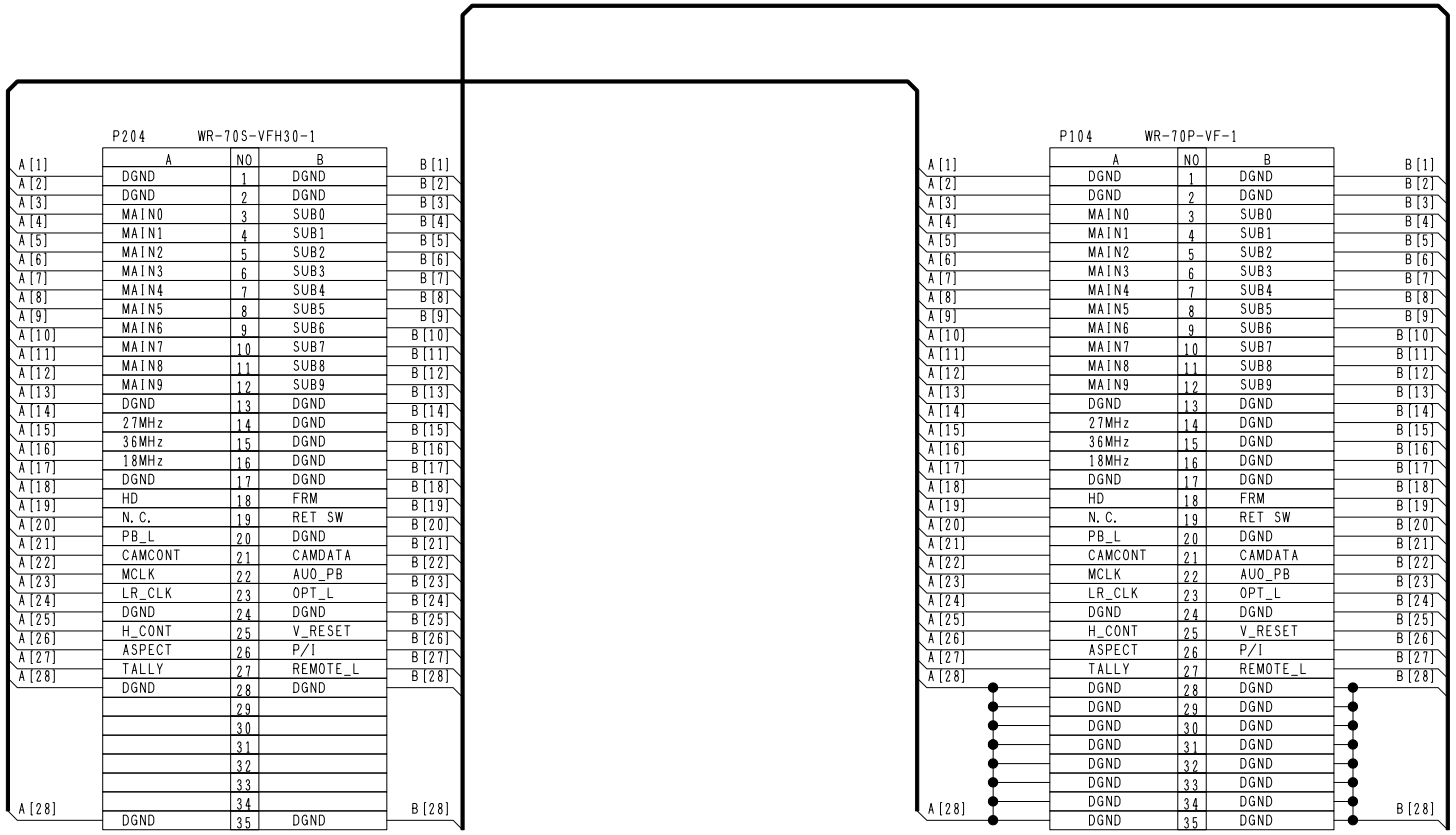

J207
PCX-EB68LFYA-GP
AGND 1
GENLOCK 2
AGND 3
CAM_PB 4
AGND 5
MIC2 6
AGND 7
PB_L 8
RET2 9
TALLY 10
REMOTE_L 11
CAMDATA 12
FRM 13
DGND 14
DVCS_CLK 15
DVCS_SSP 16
DVCS_BUS_A2 17
DVCS_BUS_A0 18
DVCS_BUS_B2 19
DVCS_BUS_B0 20
DGND 21
SUB1 22
SUB3 23
SUB5 24
SUB7 25
SUB9 26
DGND 27
MAIN1 28
MAIN3 29
MAIN5 30
MAIN7 31
MAIN9 32
DGND 33
27MHz 34
RET-VIDEO 35
AGND 36
CAM_PR 37
AGND 38
CAM_Y 39
AGND 40
MIC1 41
RET SW 42
RET1 43
P/I 44
OPT_L 45
CAMCONT 46
HD 47
DGND 48
DVCS_SMP 49
DVCS_FRP 50
DVCS_BUS_A3 51
DVCS_BUS_A1 52
DVCS_BUS_B3 53
DVCS_BUS_B1 54
SUB0 55
SUB2 56
SUB4 57
SUB6 58
SUB8 59
DGND 60
MAIN0 61
MAIN2 62
MAIN4 63
MAIN6 64
MAIN8 65
DGND 66
36MHz 67
DGND 68
A[1] A[2] A[3] A[4] A[5] A[6] A[7] A[8] A[9] A[10] A[11] A[12] A[13] A[14] A[15] A[16] A[17] A[18] A[19] A[20] A[21] A[22] A[23] A[24] A[25] A[26] A[27] A[28] A[29] A[30] A[31] A[32] A[33] A[34]
B[1] B[2] B[3] B[4] B[5] B[6] B[7] B[8] B[9] B[10] B[11] B[12] B[13] B[14] B[15] B[16] B[17] B[18] B[19] B[20] B[21] B[22] B[23] B[24] B[25] B[26] B[27] B[28] B[29] B[30] B[31] B[32] B[33] B[34]
P107 KX15-70NLN1L-K7
A NO B
27MHz 1 DGND
DGND 2 36MHz
MAIN9 3 DGND
MAIN7 4 MAIN8
MAIN5 5 MAIN6
MAIN3 6 MAIN4
MAIN1 7 MAIN2
DGND 8 MAIN0
SUB9 9 DGND
SUB7 10 SUB8
SUB5 11 SUB6
SUB3 12 SUB4
SUB1 13 SUB2
DGND 14 SUB0
15
DVCS_BUS_B0 16 DVCS_BUS_B1
DVCS_BUS_B2 17 DVCS_BUS_B3
DVCS_BUS_A0 18 DVCS_BUS_A1
DVCS_BUS_A2 19 DVCS_BUS_A3
DVCS_SSP 20 DVCS_FRP
DVCS_CLK 21 DVCS_SMP
DGND 22 DGND
FRM 23 HD
CAMDATA 24 CAMCONT
REMOTE_L 25 OPT_L
TALLY 26 P/I
RET2 27 RET1
PB_L 28 RET SW
AGND 29 MIC1
MIC2 30 AGND
AGND 31 CAM_Y
CAM_PB 32 AGND
AGND 33 CAM_PR
GENLOCK 34 AGND
AGND 35 RET-OUT (CAM)
A[34] A[33] A[32] A[31] A[30] A[29] A[28] A[27] A[26] A[25] A[24] A[23] A[22] A[21] A[20] A[19] A[18] A[17] A[16] A[15] A[14] A[13] A[12] A[11] A[10] A[9] A[8] A[7] A[6] A[5] A[4] A[3] A[2] A[1]
B[34] B[33] B[32] B[31] B[30] B[29] B[28] B[27] B[26] B[25] B[24] B[23] B[22] B[21] B[20] B[19] B[18] B[17] B[16] B[15] B[14] B[13] B[12] B[11] B[10] B[9] B[8] B[7] B[6] B[5] B[4] B[3] B[2] B[1]
COMPONENT NAME
CAM-IF
01/01
CIRCUIT BOARD NO.
VEP20837
DRAWING NO.
KR0P47
SCM016
A B C D E F G H I J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



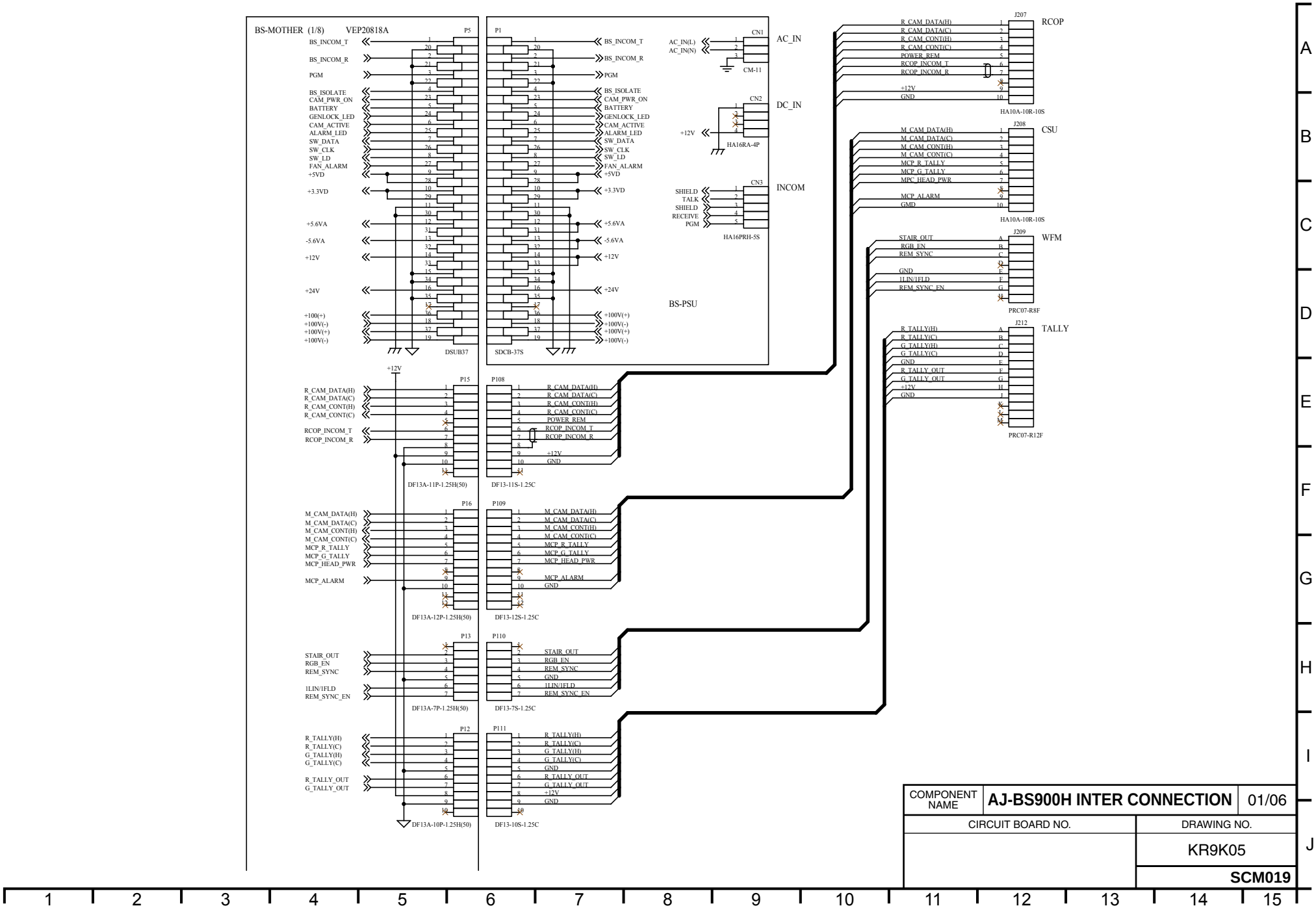
COMPONENT NAME	AJ-YA600P CAM-SPACER	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20836		KR0P51
		SCM017

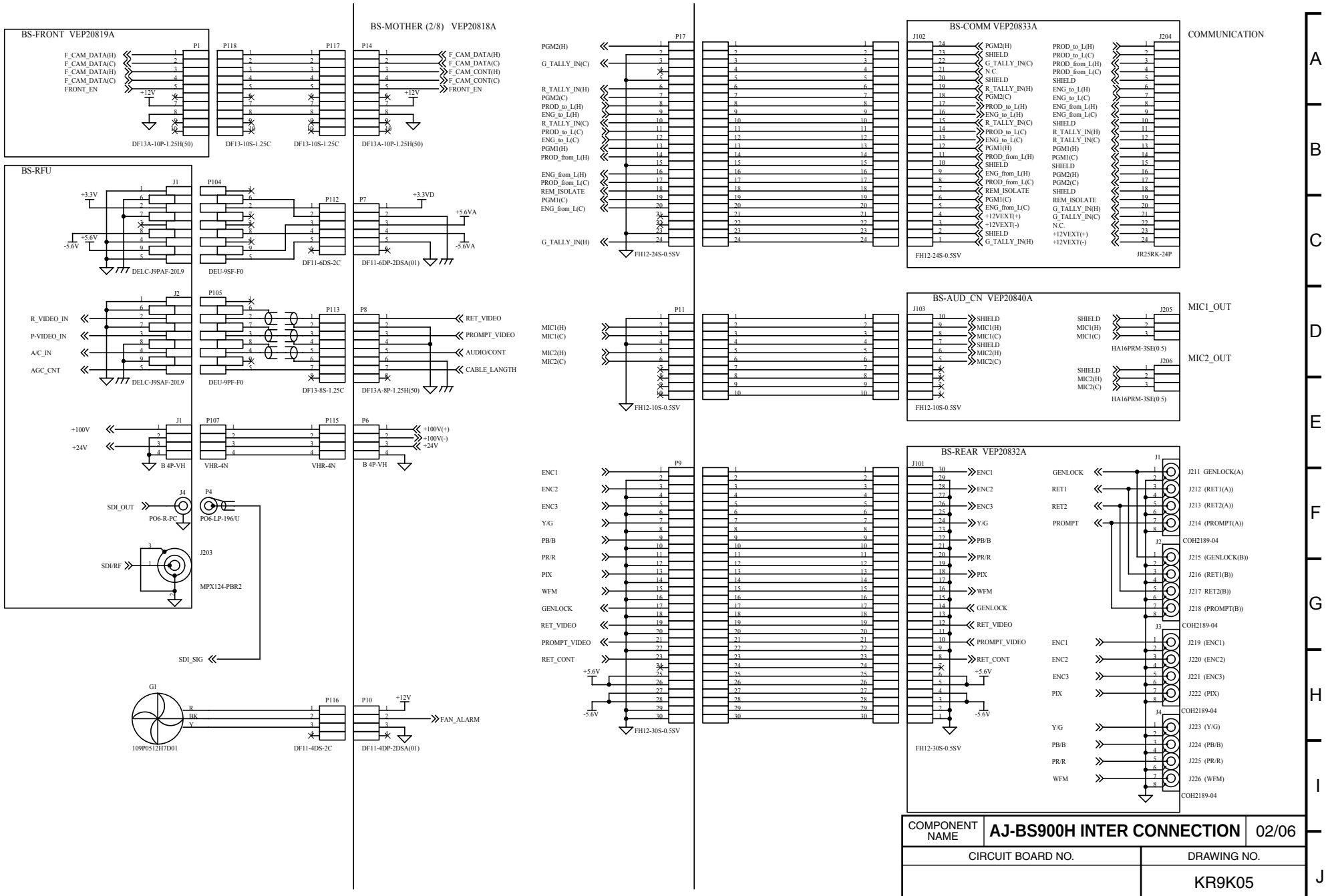
A B C D E F G H I J

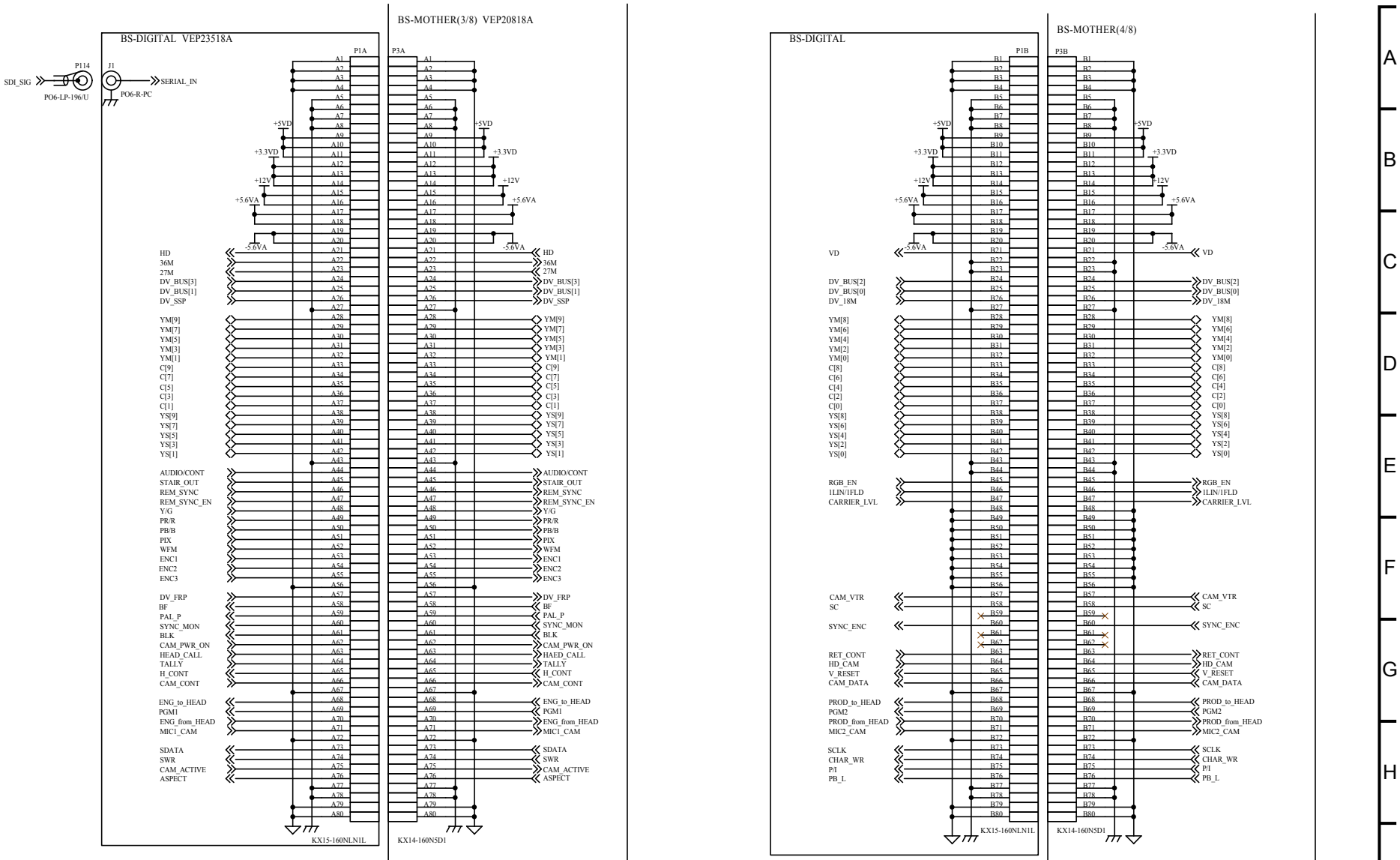
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



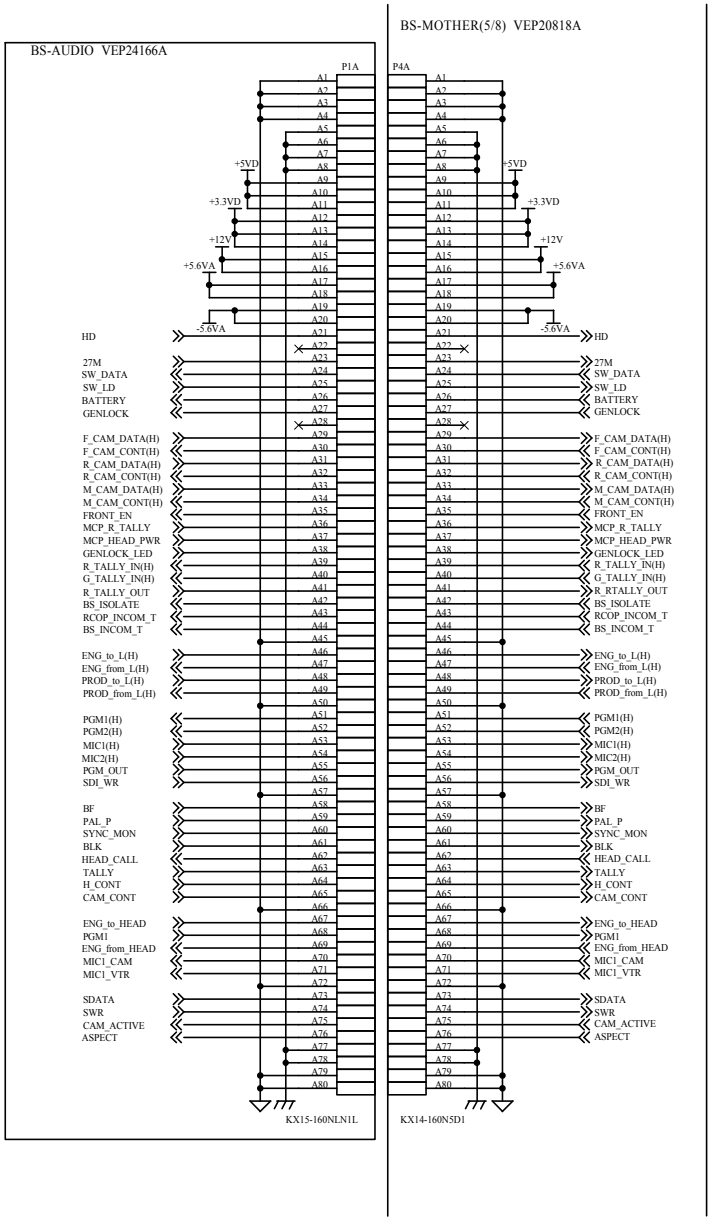
COMPONENT NAME	AJ-YA600P CAM-FLEX	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20838		KR0P48
		SCM018

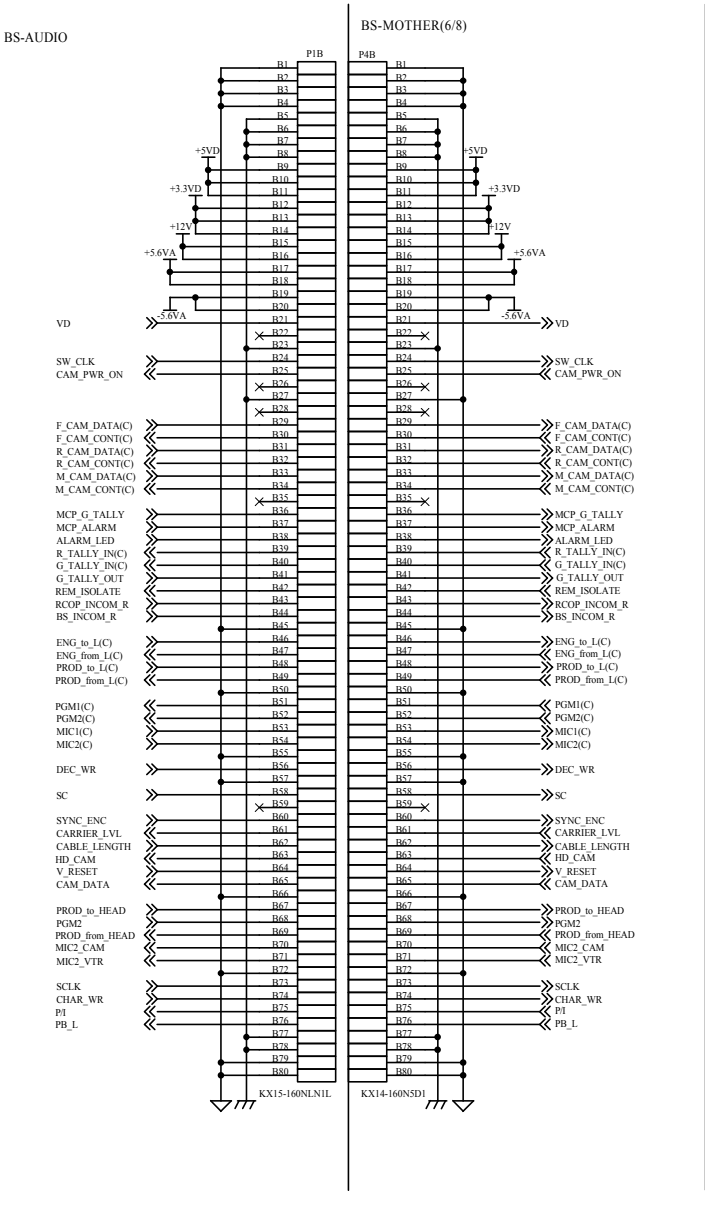

BS-MOTHER (1/8) VEP20818A
P5
DSUB37
P1
SDCB-37S
BS-PSU
CN1
AC_IN
CM-11
CN2
DC_IN
HA16RA-4P
CN3
INCOM
HA16PRH-5S
J207
RCOP
HA10A-10R-10S
J208
CSU
HA10A-10R-10S
J209
WFM
PRC07-R8F
J212
TALLY
PRC07-R12F
P15
DF13A-11P-1.25H(50)
P108
DF13-11S-1.25C
P16
DF13A-12P-1.25H(50)
P109
DF13-12S-1.25C
P13
DF13A-7P-1.25H(50)
P110
DF13-7S-1.25C
P12
DF13A-10P-1.25H(50)
P111
DF13-10S-1.25C
COMPONENT NAME
AJ-BS900H INTER CONNECTION
01/06
CIRCUIT BOARD NO.
DRAWING NO.
KR9K05
SCM019


BS-FRONT VEP20819A
P1
F_CAM_DATA(H)
F_CAM_DATA(C)
F_CAM_DATA(H)
F_CAM_DATA(C)
FRONT_EN
+12V
DF13A-10P-1.25H(50)
P118
DF13-10S-1.25C
P117
DF13-10S-1.25C
BS-MOTHER (2/8) VEP20818A
P14
F_CAM_DATA(H)
F_CAM_DATA(C)
F_CAM_CONT(H)
F_CAM_CONT(C)
FRONT_EN
+12V
DF13A-10P-1.25H(50)
BS-RFU
J1
+3.3V
+5.6V
-5.6V
DELC-J9PAF-20L9
P104
DEU-9SF-F0
P112
DF11-6DS-2C
P7
+3.3VD
+5.6VA
-5.6VA
DF11-6DP-2DSA(01)
J2
R_VIDEO_IN
P-VIDEO_IN
A/C_IN
AGC_CNT
DELC-J9SAF-20L9
P105
DEU-9PF-F0
P113
DF13-8S-1.25C
P8
RET_VIDEO
PROMPT_VIDEO
AUDIO/CONT
CABLE_LANGTH
DF13A-8P-1.25H(50)
J1
+100V
+24V
B 4P-VH
P107
VHR-4N
P115
VHR-4N
P6
+100V(+)
+100V(-)
+24V
B 4P-VH
J4
SDI_OUT
PO6-R-PC
P4
PO6-LP-196/U
J203
SDI/RF
MPX124-PBR2
SDI_SIG
G1
R
BK
Y
109P0512H7D01
P116
DF11-4DS-2C
P10
+12V
FAN_ALARM
DF11-4DP-2DSA(01)
P17
PGM2(H)
G_TALLY_IN(C)
R_TALLY_IN(H)
PGM2(C)
PROD_to_L(H)
ENG_to_L(H)
R_TALLY_IN(C)
PROD_to_L(C)
ENG_to_L(C)
PGM1(H)
PROD_from_L(H)
ENG_from_L(H)
PROD_from_L(C)
REM_ISOLATE
PGM1(C)
ENG_from_L(C)
G_TALLY_IN(H)
FH12-24S-0.5SV
BS-COMM VEP20833A
J102
PGM2(H)
SHIELD
G_TALLY_IN(C)
N.C.
SHIELD
R_TALLY_IN(H)
PGM2(C)
PROD_to_L(H)
ENG_to_L(H)
R_TALLY_IN(C)
PROD_to_L(C)
ENG_to_L(C)
PGM1(H)
PROD_from_L(H)
SHIELD
ENG_from_L(H)
PROD_from_L(C)
REM_ISOLATE
PGM1(C)
ENG_from_L(C)
+12VEXT(+)
+12VEXT(-)
SHIELD
G_TALLY_IN(H)
FH12-24S-0.5SV
J204
PROD_to_L(H)
PROD_to_L(C)
PROD_from_L(H)
PROD_from_L(C)
SHIELD
ENG_to_L(H)
ENG_to_L(C)
ENG_from_L(H)
ENG_from_L(C)
SHIELD
R_TALLY_IN(H)
R_TALLY_IN(C)
PGM1(H)
PGM1(C)
SHIELD
PGM2(H)
PGM2(C)
SHIELD
REM_ISOLATE
G_TALLY_IN(H)
G_TALLY_IN(C)
N.C.
+12VEXT(+)
+12VEXT(-)
JR25RK-24P
COMMUNICATION
P11
MIC1(H)
MIC1(C)
MIC2(H)
MIC2(C)
FH12-10S-0.5SV
BS-AUD_CN VEP20840A
J103
SHIELD
MIC1(H)
MIC1(C)
SHIELD
MIC2(H)
MIC2(C)
FH12-10S-0.5SV
J205
SHIELD
MIC1(H)
MIC1(C)
HA16PRM-3SE(0.5)
MIC1_OUT
J206
SHIELD
MIC2(H)
MIC2(C)
HA16PRM-3SE(0.5)
MIC2_OUT
P9
ENC1
ENC2
ENC3
Y/G
PB/B
PR/R
PIX
WFM
GENLOCK
RET_VIDEO
PROMPT_VIDEO
RET_CONT
+5.6V
-5.6V
FH12-30S-0.5SV
BS-REAR VEP20832A
J101
ENC1
ENC2
ENC3
Y/G
PB/B
PR/R
PIX
WFM
GENLOCK
RET_VIDEO
PROMPT_VIDEO
RET_CONT
+5.6V
-5.6V
FH12-30S-0.5SV
J1
GENLOCK
RET1
RET2
PROMPT
J211 GENLOCK(A)
J212 (RET1(A))
J213 (RET2(A))
J214 (PROMPT(A))
COH2189-04
J2
J215 (GENLOCK(B))
J216 (RET1(B))
J217 RET2(B))
J218 (PROMPT(B))
COH2189-04
J3
ENC1
ENC2
ENC3
PIX
J219 (ENC1)
J220 (ENC2)
J221 (ENC3)
J222 (PIX)
COH2189-04
J4
Y/G
PB/B
PR/R
WFM
J223 (Y/G)
J224 (PB/B)
J225 (PR/R)
J226 (WFM)
COH2189-04
COMPONENT NAME
AJ-BS900H INTER CONNECTION
02/06
CIRCUIT BOARD NO.
DRAWING NO.
KR9K05
SCM020
A
B
C
D
E
F
G
H
I
J
1
2
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11
12
13
14
15

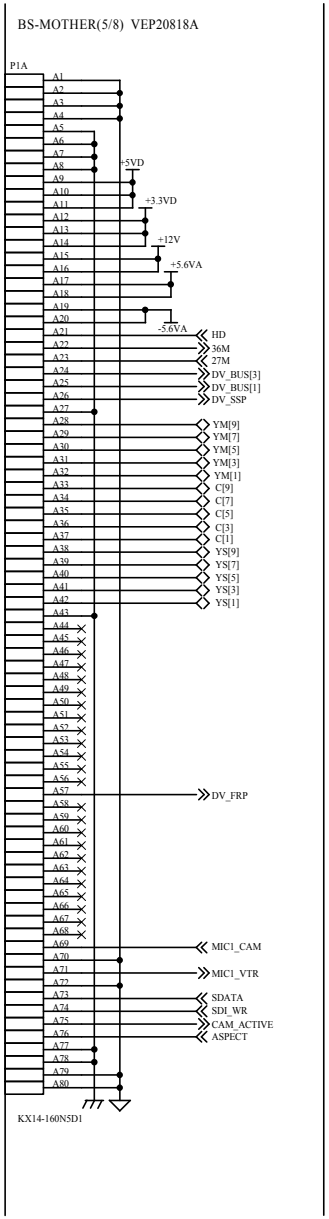


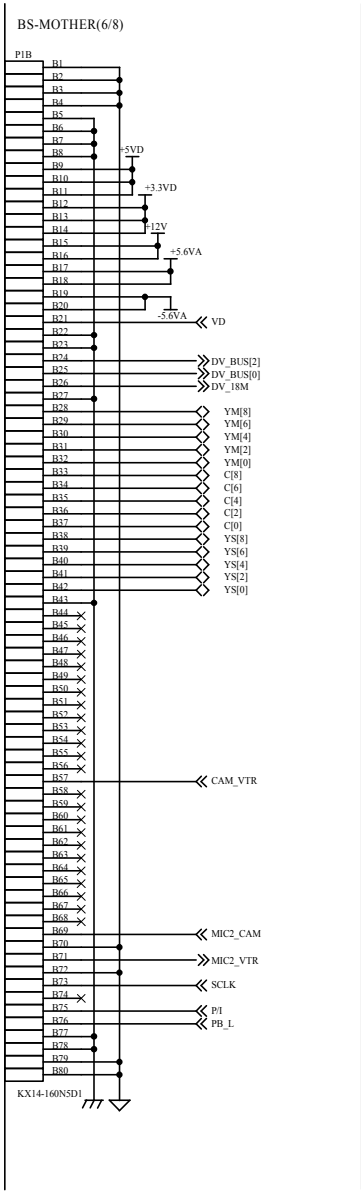
COMPONENT NAME	AJ-BS900H INTER CONNECTION	03/06
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K05	
	SCM021	





COMPONENT NAME	AJ-BS900H INTER CONNECTION	04/06
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K05	
	SCM022	

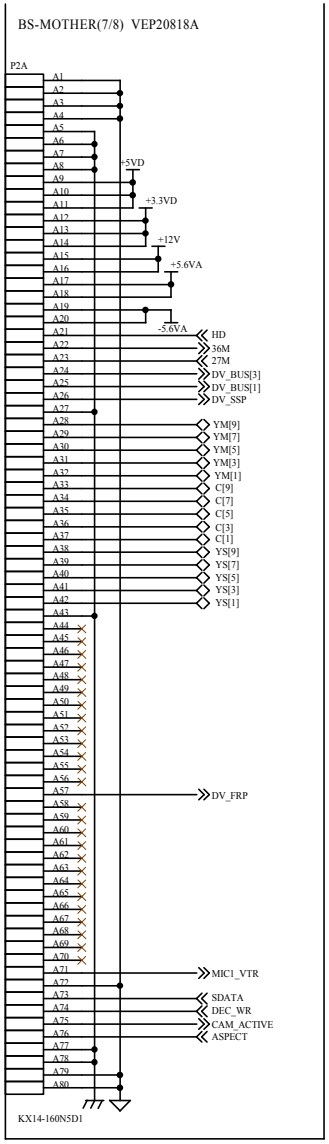


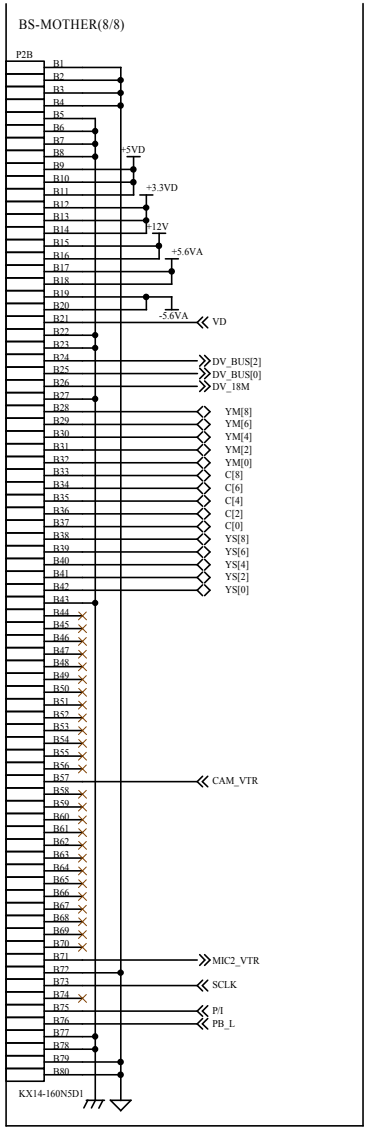


COMPONENT NAME	AJ-BS900H INTER CONNECTION	05/06
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K05	
	SCM023	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15





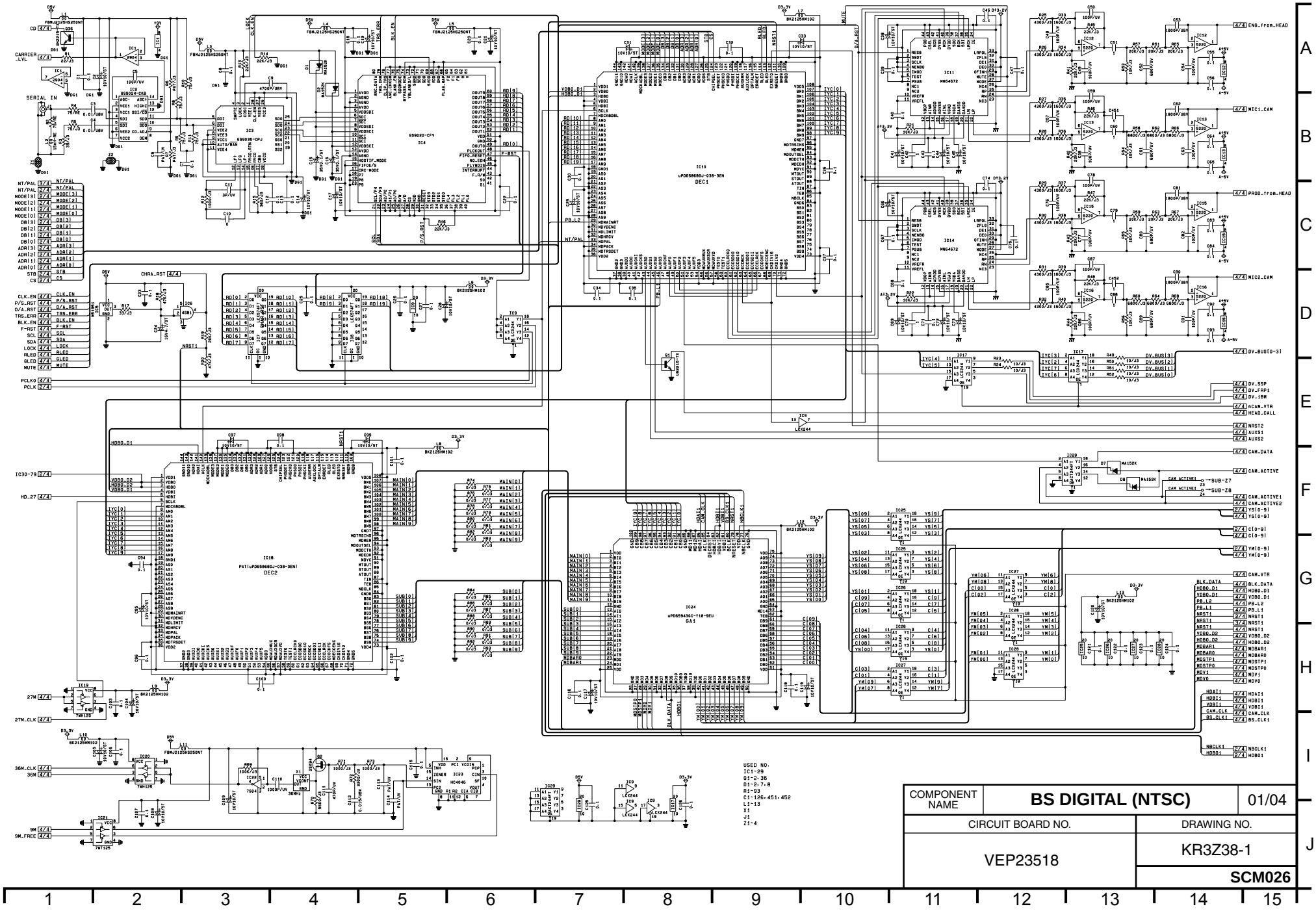
COMPONENT NAME	AJ-BS900H INTER CONNECTION	06/06
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K05	
	SCM024	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

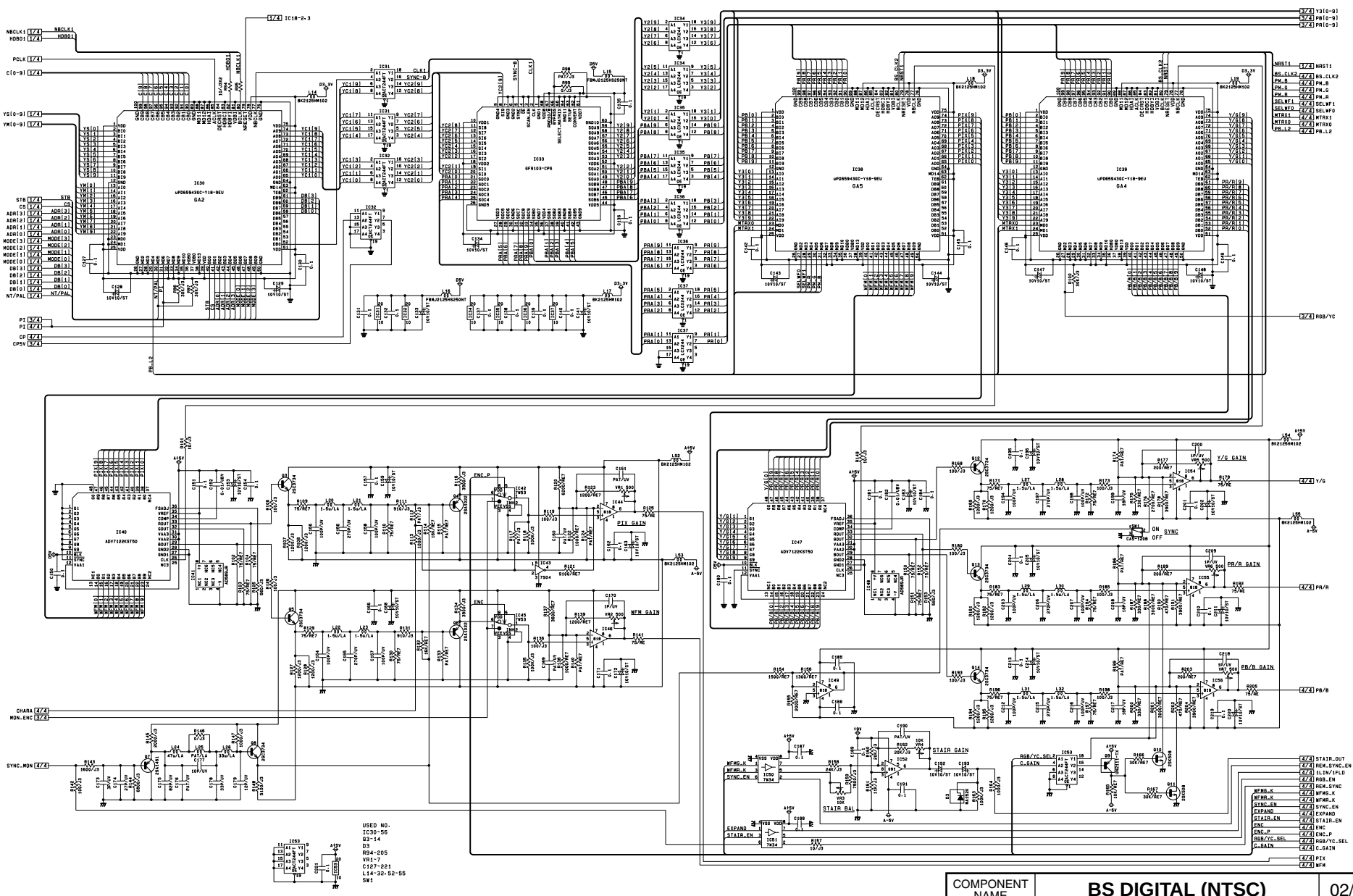


COMPONENT NAME	**BS MOTHER**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20818		KR0P18-1
		SCM025

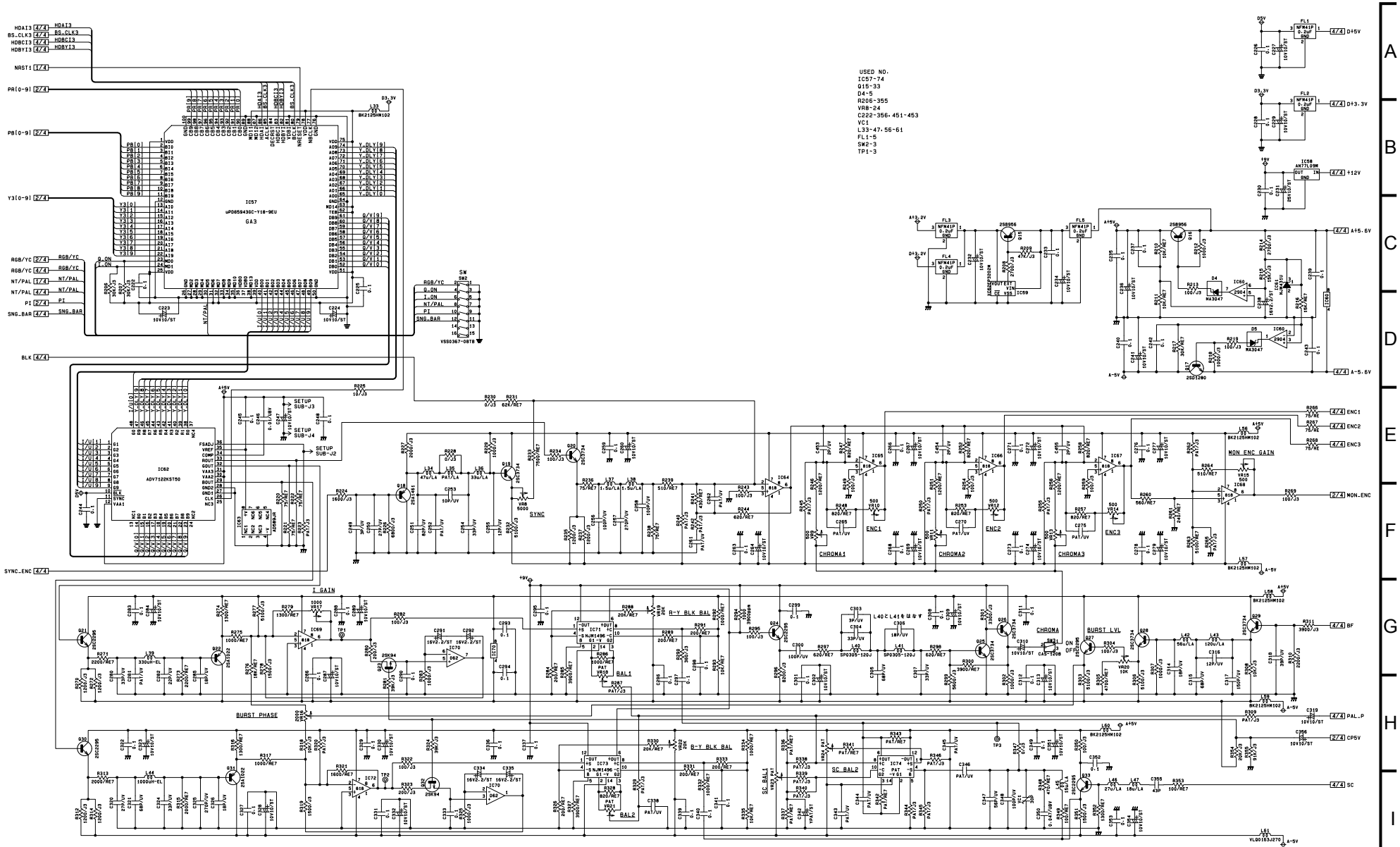


COMPONENT NAME	**BS DIGITAL (NTSC)**	01/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23518	KR3Z38-1	
	SCM026	

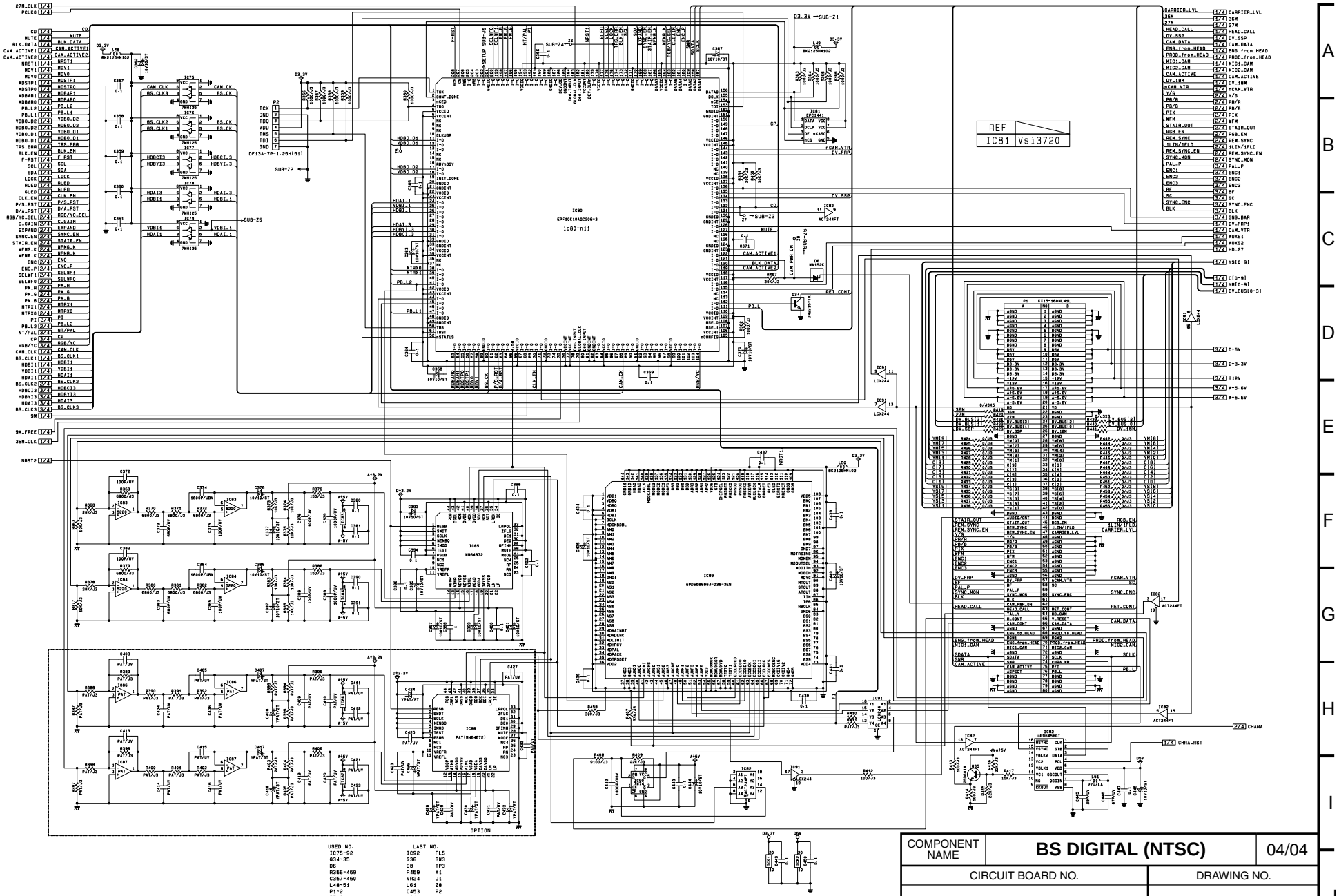
USED NO.
IC1-29
Q1-2-36
D1-2-7.8
R1-93
C1-126.451.452
L1-13
X1
J1
Z1-4



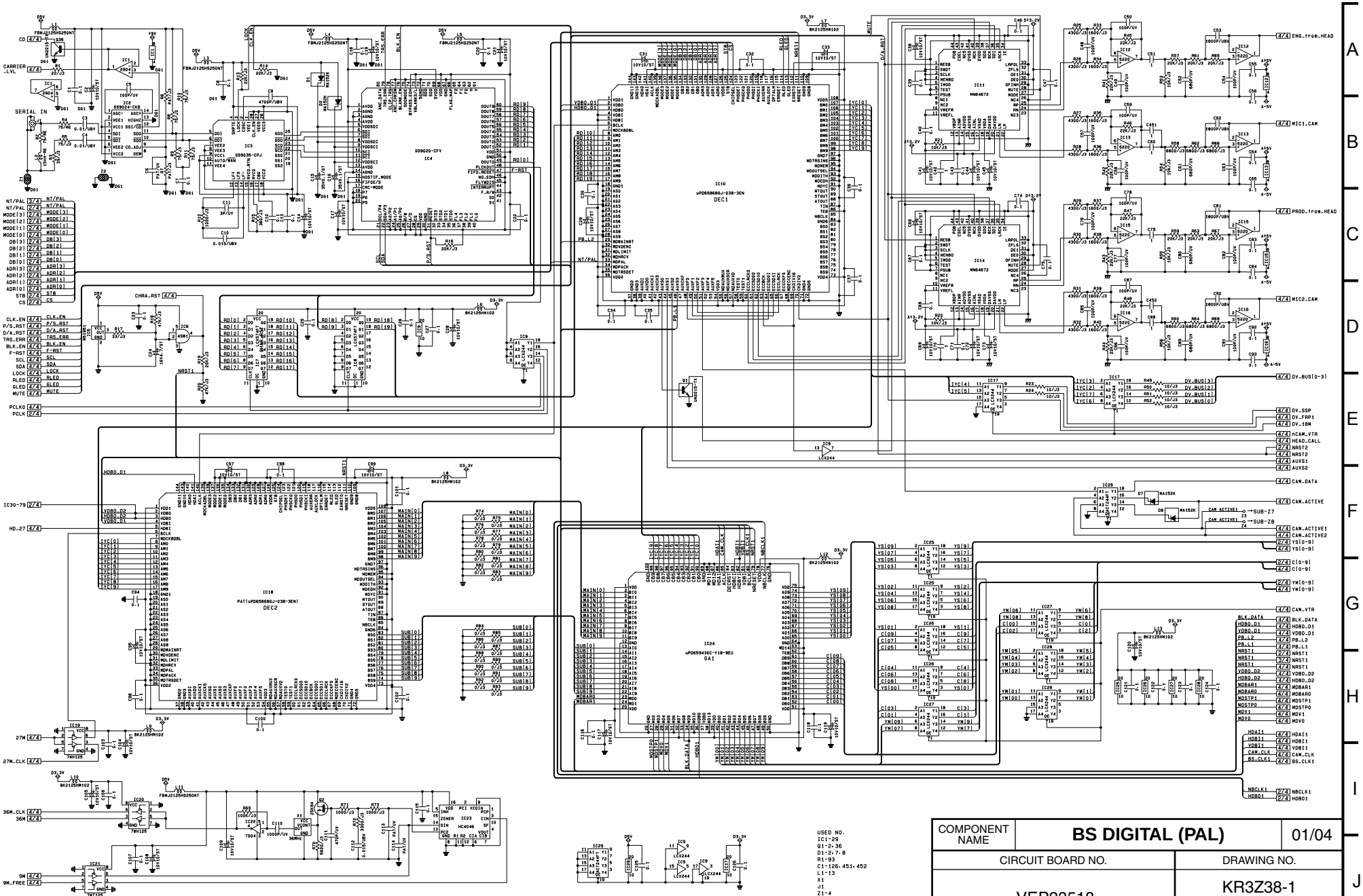
COMPONENT NAME	**BS DIGITAL (NTSC)**	02/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23518	KR3Z38-1	
	SCM027	



COMPONENT NAME	BS DIGITAL (NTSC)	03/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP23518		KR3Z38-1
		SCM028

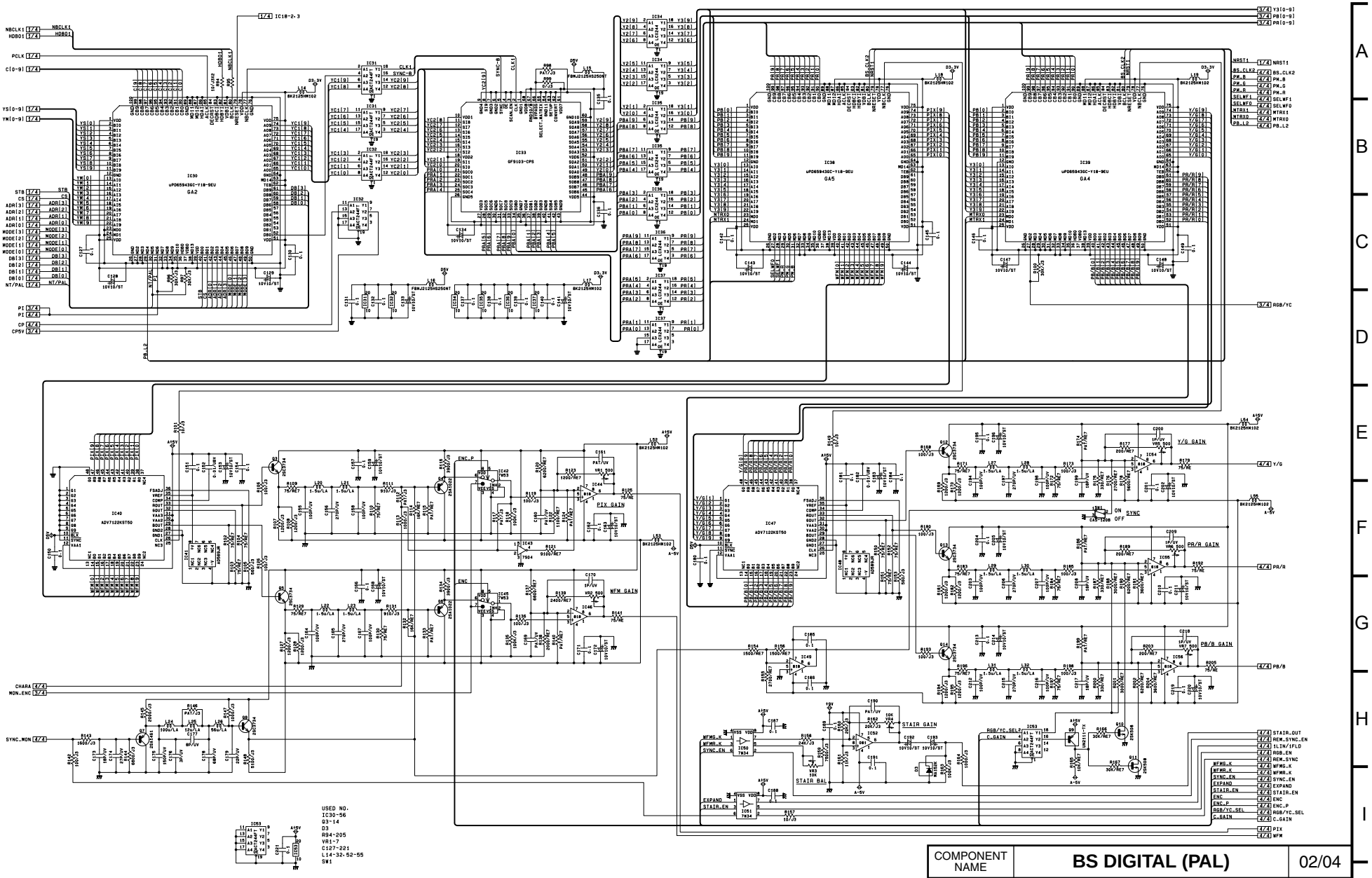


COMPONENT NAME	**BS DIGITAL (NTSC)**	04/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP23518		KR3Z38-1
		SCM029

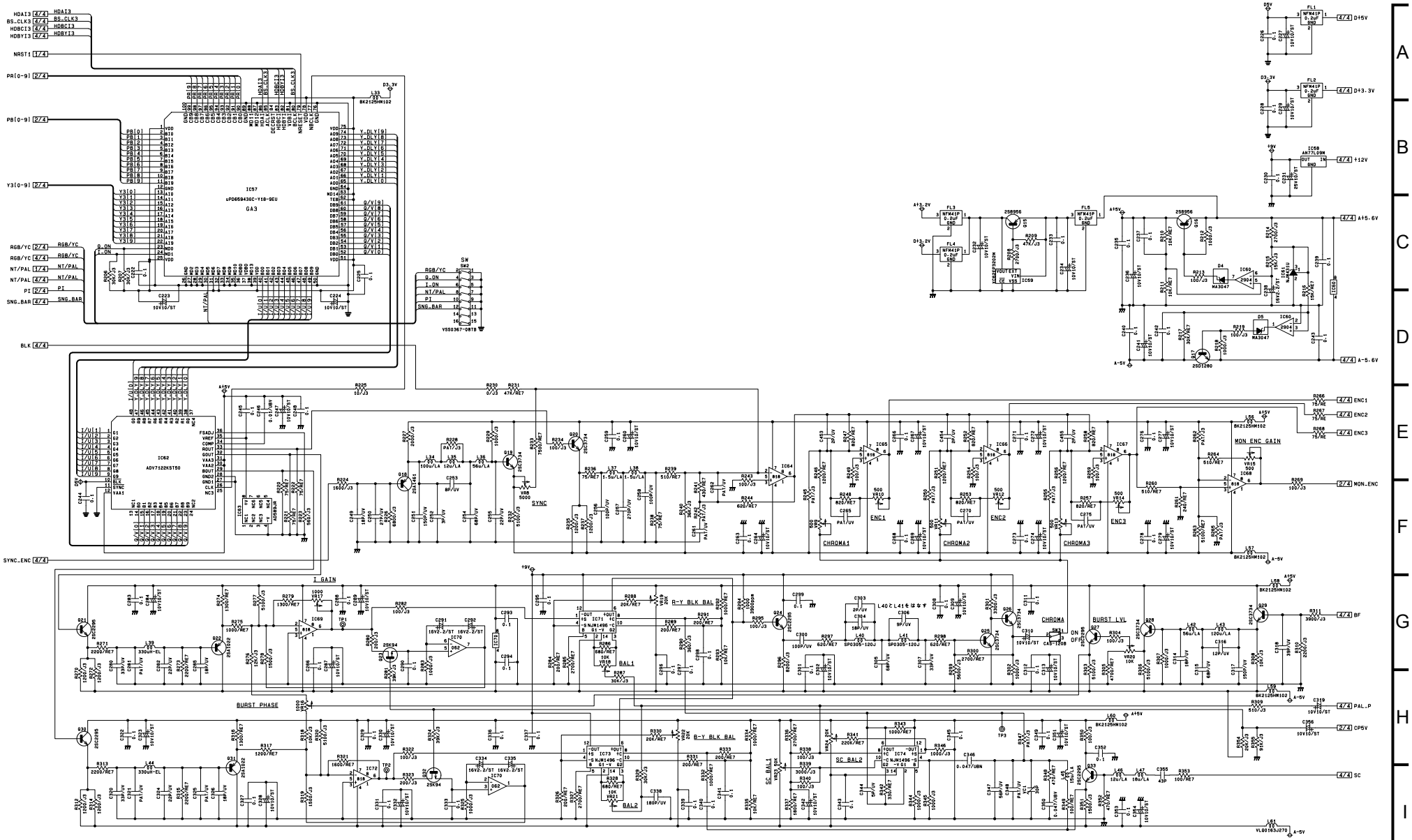


COMPONENT NAME	**BS DIGITAL (PAL)**	01/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP23518		KR3Z38-1
		SCM030

USED NO.
IC1-29
D1-2.36
D1-2.7.8
R1-93
C1-126.451.452
L1-13
X1
J1
Z1-4



COMPONENT NAME	BS DIGITAL (PAL)	02/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP23518		KR3Z38-1
		SCM031

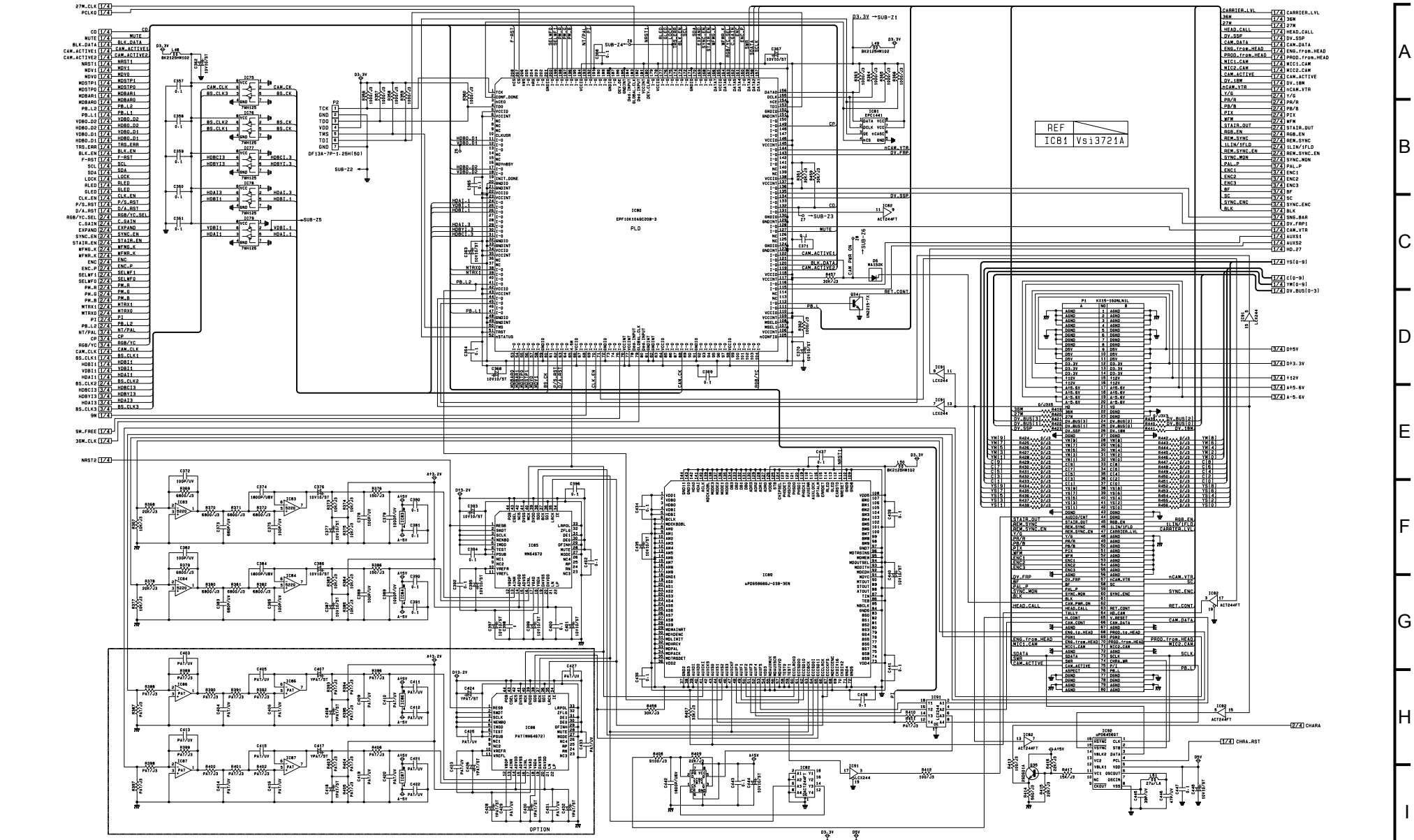


USED NO.
IC57-74
Q15-33
D4-5
R206-355
VR8-24
C222-356, 451-453
VC1
L33-47, 56-61
FL1-5
SW2-3
TP1-3

COMPONENT NAME	BS DIGITAL (PAL)	03/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP23518		KR3Z38-1
		SCM032

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

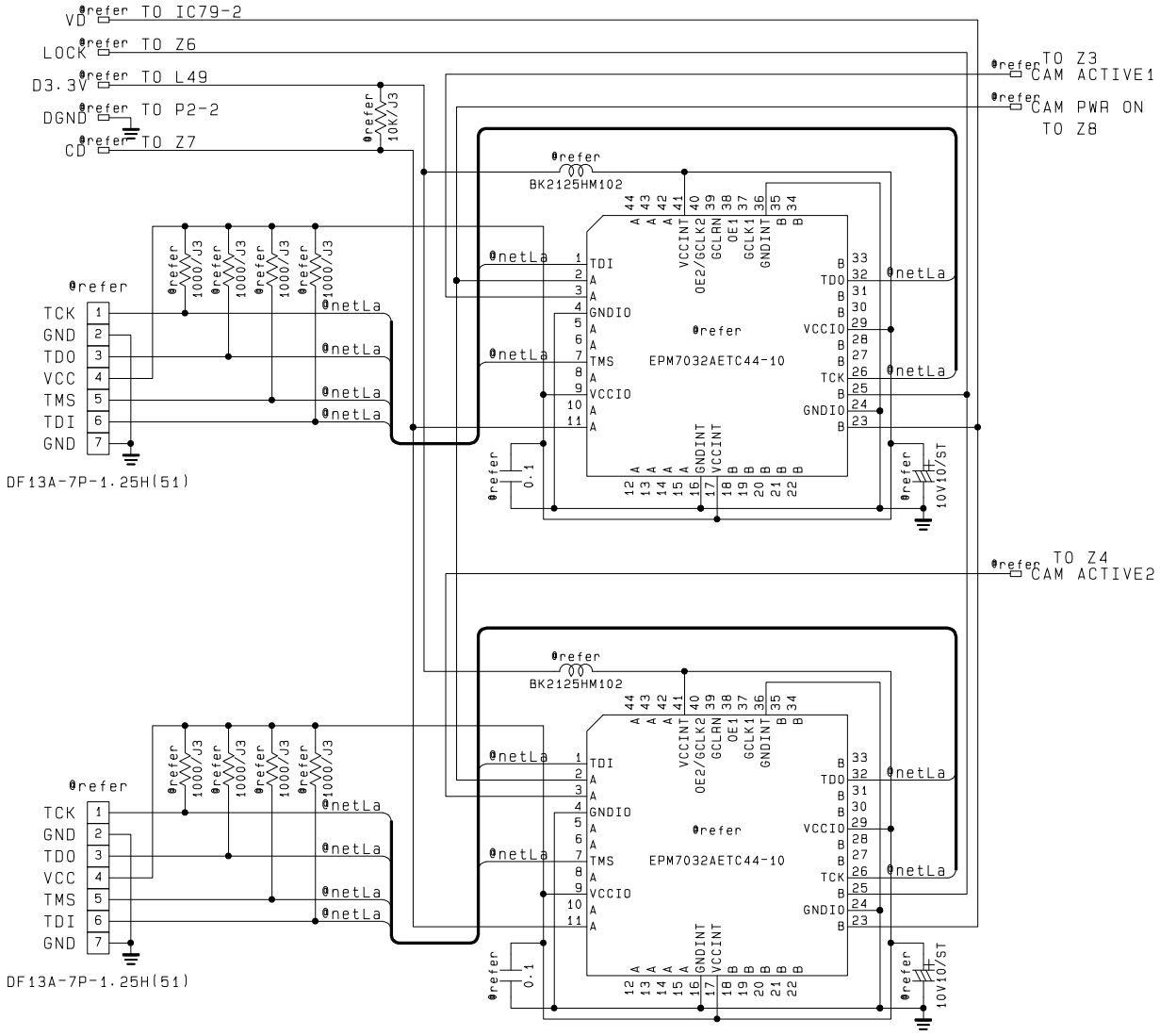


USED NO.	LAST NO.	
IC75-92	IC92	FL5
Q34-35	Q36	SW3
D6	D8	TP3
R356-459	R459	X1
C357-450	VR24	J1
L48-51	L61	Z8
P1-2	C453	P2
Z5-8	VC1	

COMPONENT NAME	**BS DIGITAL (PAL)**	04/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP23518		KR3Z38-1
		SCM033

A B C D E F G H I J

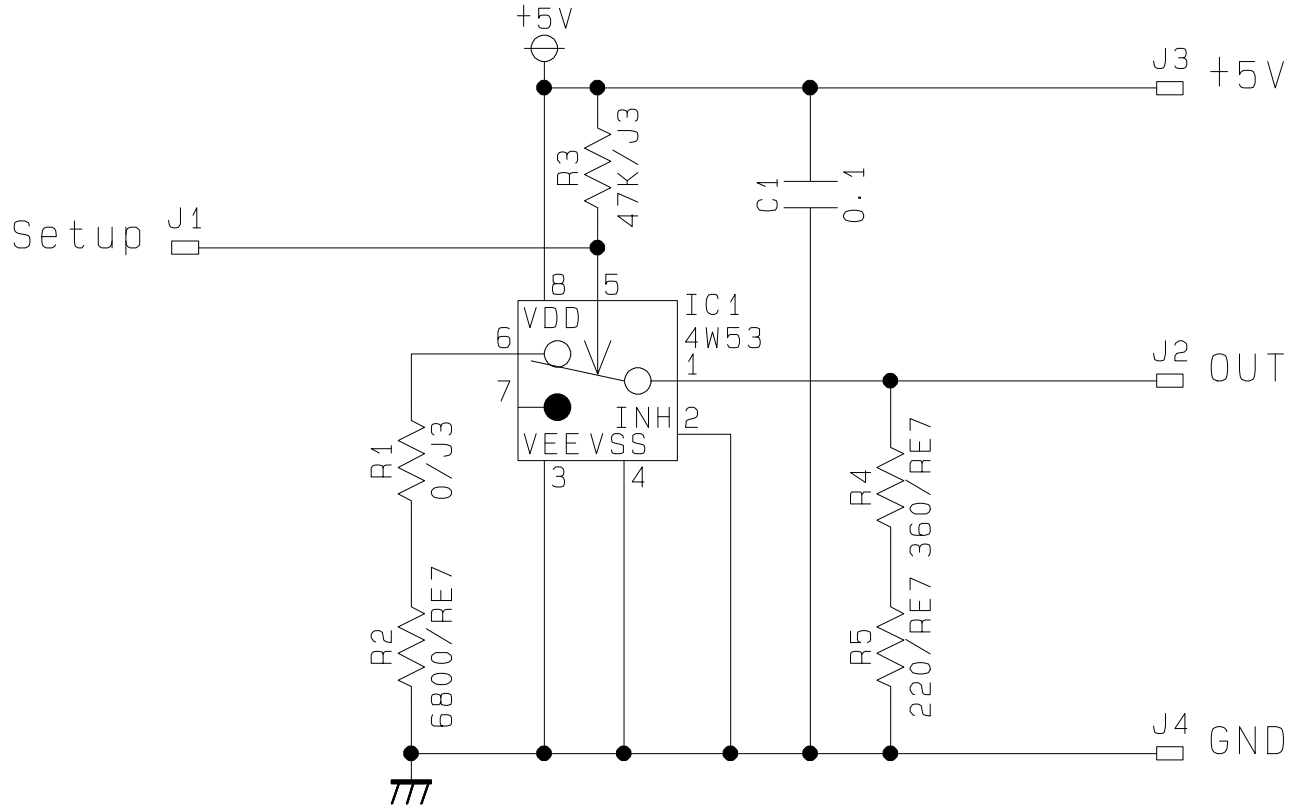
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



LAST No.
IC 2
R 9
C 4
L 2
P 2
Z 8

REF	
IC**	Vsi3724
IC**	Vsi3724

COMPONENT NAME	BS DIGITAL SUB	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20885		KR0Q98
		SCM034



LAST No.

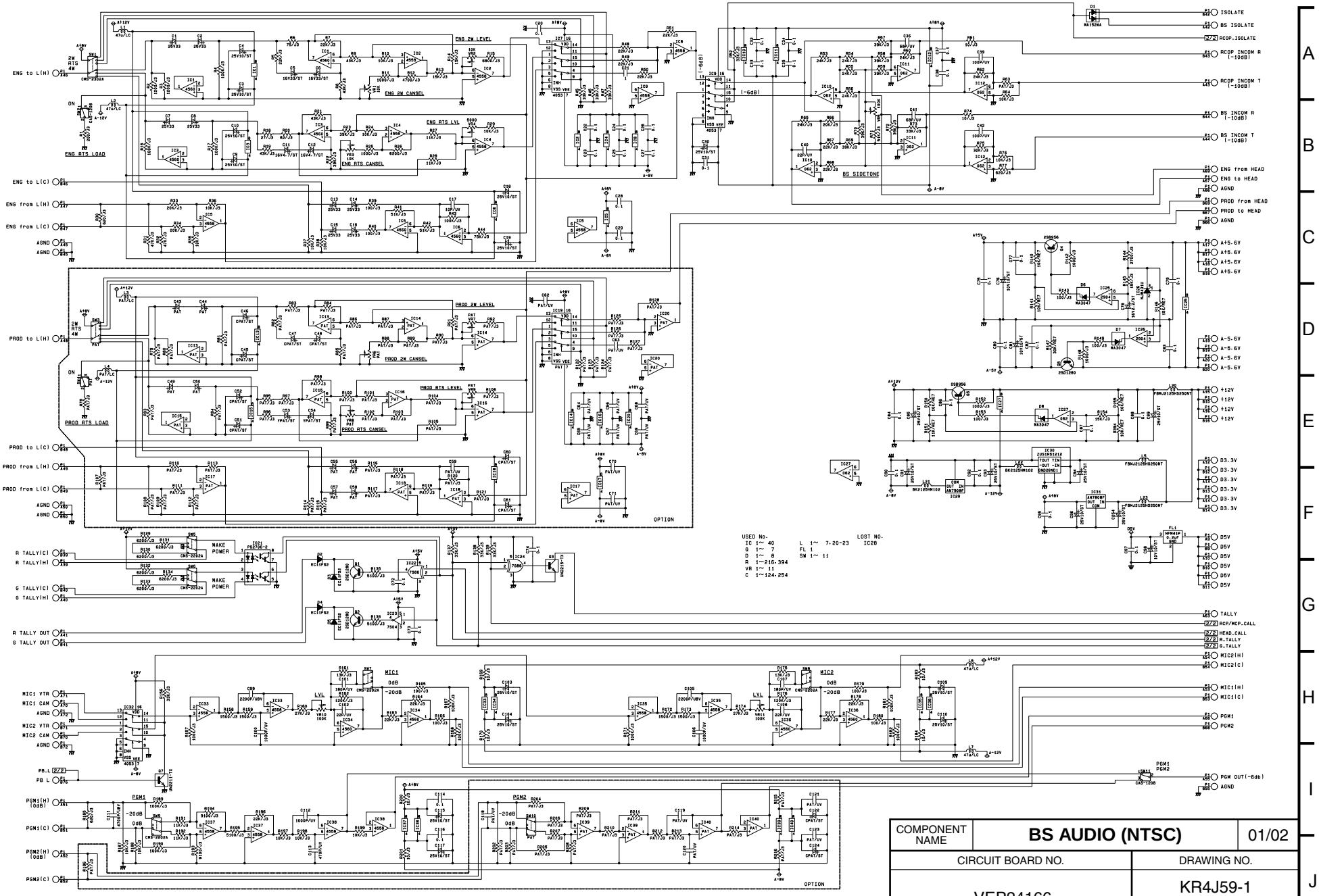
IC 1

R 5

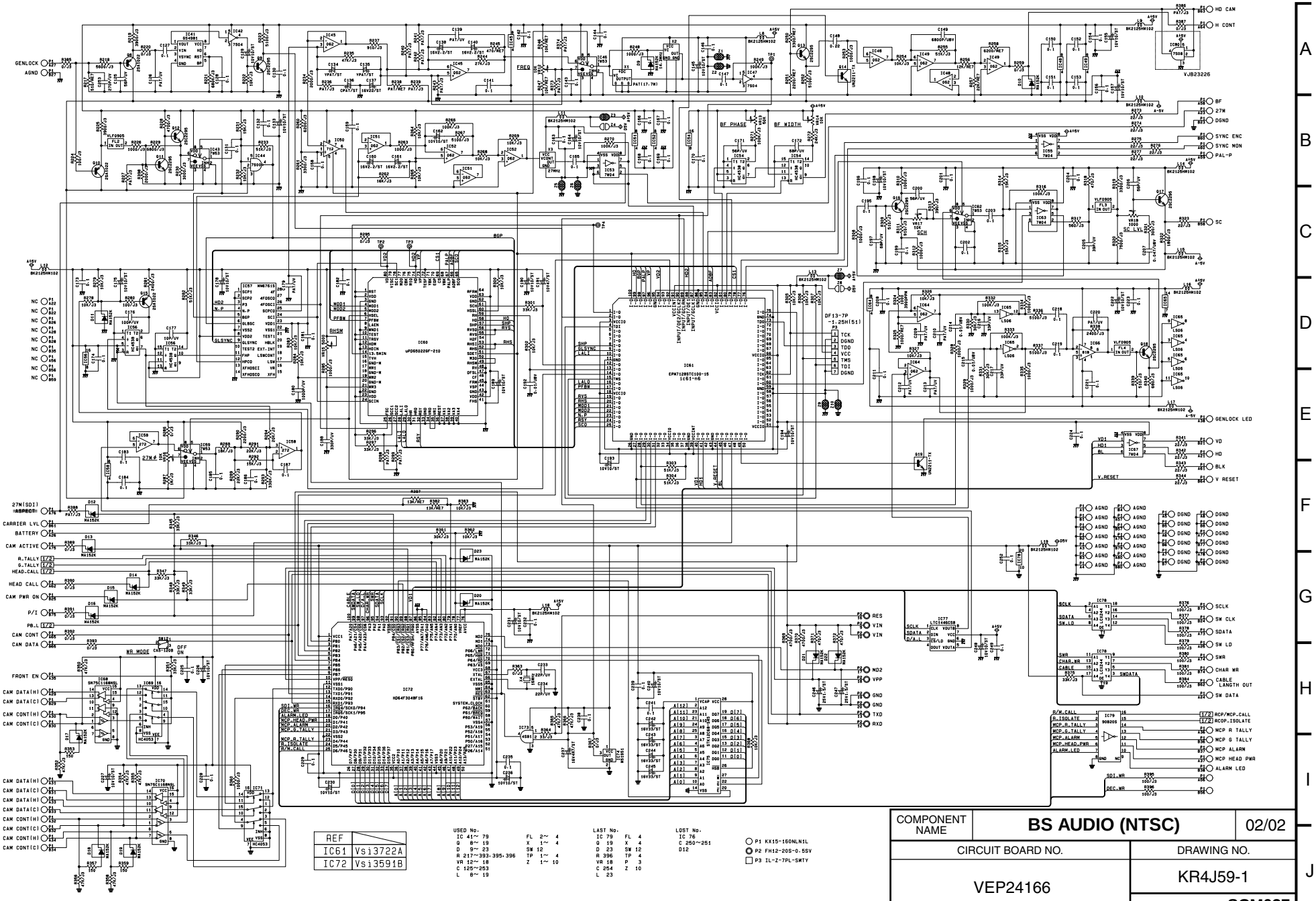
C 1

J 4

COMPONENT NAME	SETUP SUB	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23533	KR30107	
	SCM035	



COMPONENT NAME	BS AUDIO (NTSC)	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP24166		KR4J59-1
		SCM036



REF	
IC61	Vsi3722A
IC72	Vsi3591B

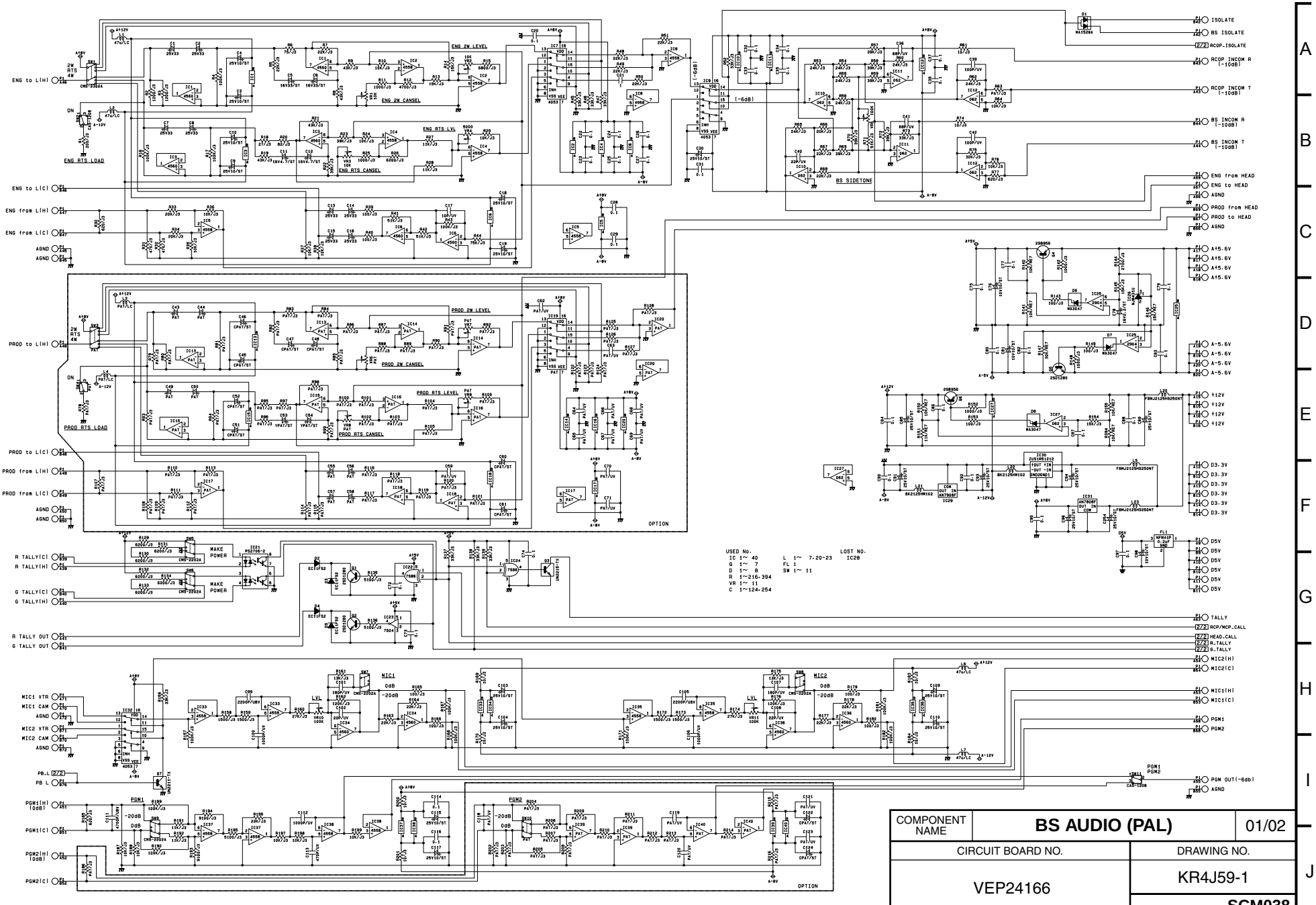
USED No.
IC 41~ 79
Q 8~ 19
D 9~ 23
R 217~393,395,396
VR 12~ 18
C 125~253
L 8~ 19
FL 2~ 4
X 1~ 4
SW 12
TP 1~ 4
Z 1~ 10

LAST No.
IC 79
Q 19
D 23
R 396
VR 18
C 254
L 23
FL 4
X 4
SW 12
TP 4
P 3
Z 10

LOST No.
IC 76
C 250~251
D12

P1 KX15-16ONLN1L
P2 FH12-20S-0.5SV
P3 IL-Z-7PL-SMTY

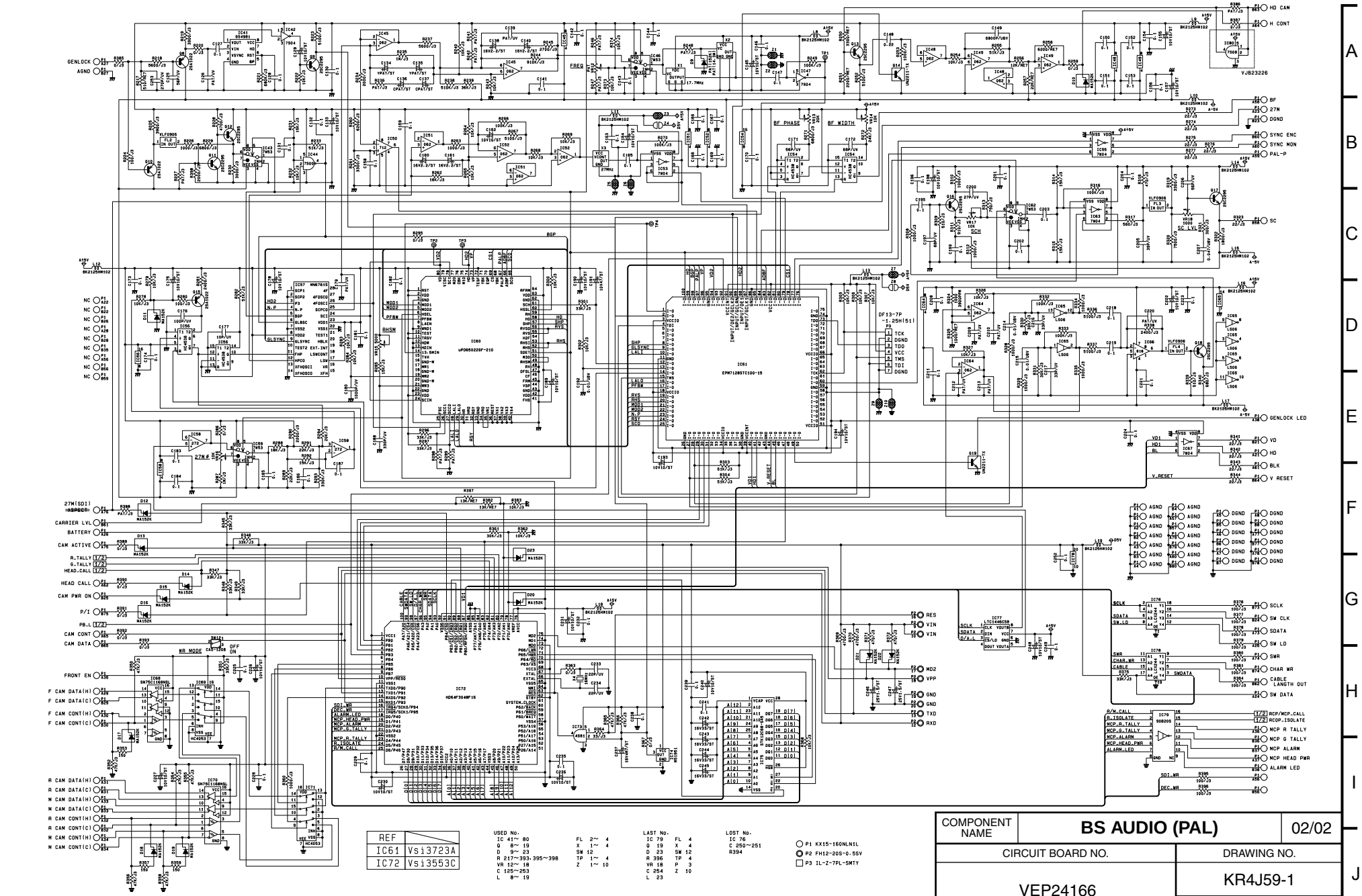
COMPONENT NAME	**BS AUDIO (NTSC)**	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP24166		KR4J59-1
		SCM037



COMPONENT NAME	BS AUDIO (PAL)	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP24166	KR4J59-1	
	SCM038	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



REF	
IC61	Vsi3723A
IC72	Vsi3553C

USED No.
IC 41~ 80
Q 8~ 19
D 9~ 23
R 217~393,395~398
VR 12~ 18
C 125~253
L 8~ 19

FL 2~ 4
X 1~ 4
SW 12
TP 1~ 4
Z 1~ 10

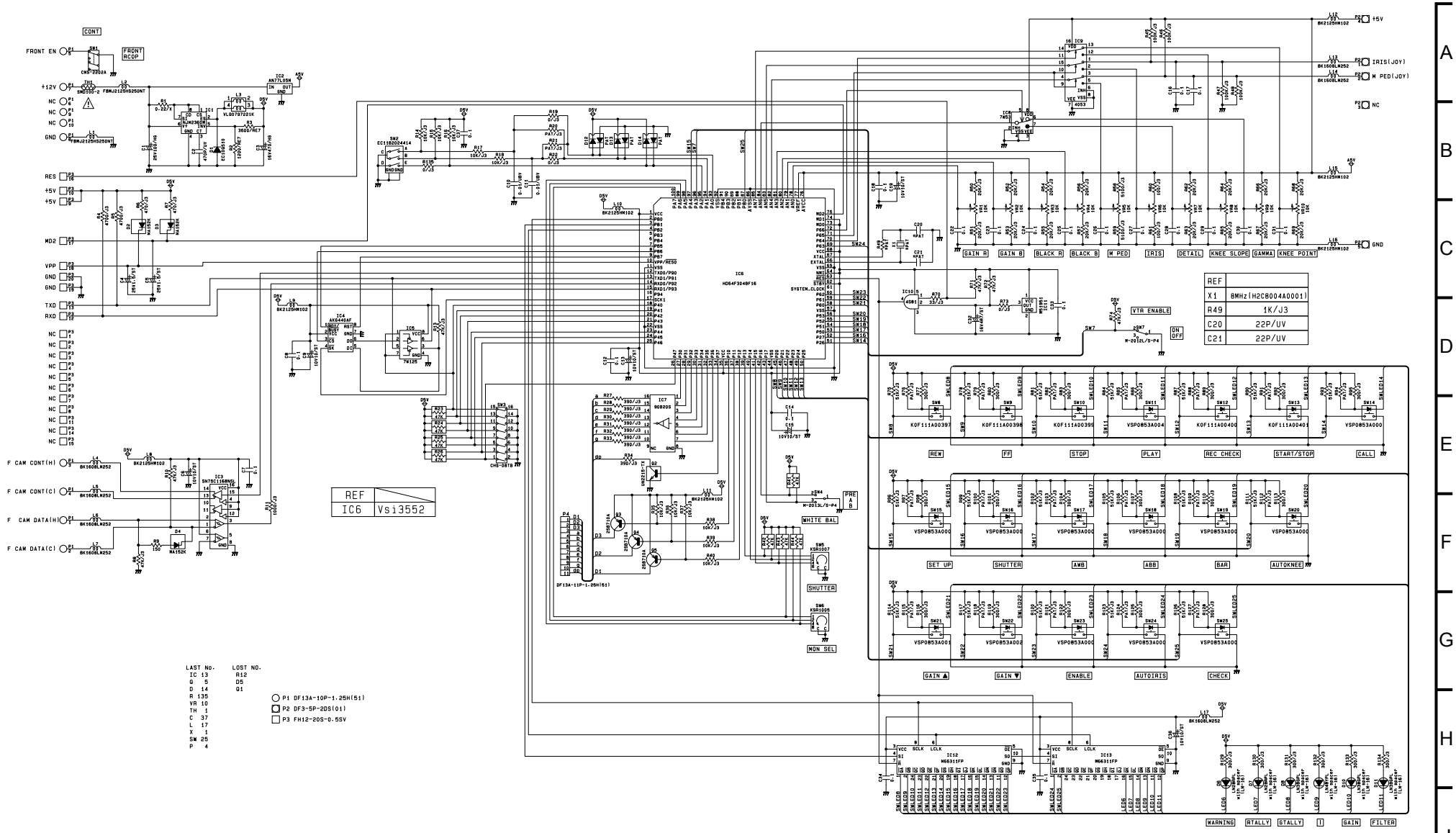
LAST No.
IC 79
Q 19
D 23
R 396
VR 18
C 254
L 23

FL 4
X 4
SW 12
TP 4
P 3
Z 10

LOST No.
IC 76
C 250~251
R394

P1 KX15-160NLN1L
P2 FH12-20S-0.5SV
P3 IL-Z-7PL-SMTY

COMPONENT NAME	**BS AUDIO (PAL)**	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP24166		KR4J59-1
		SCM039

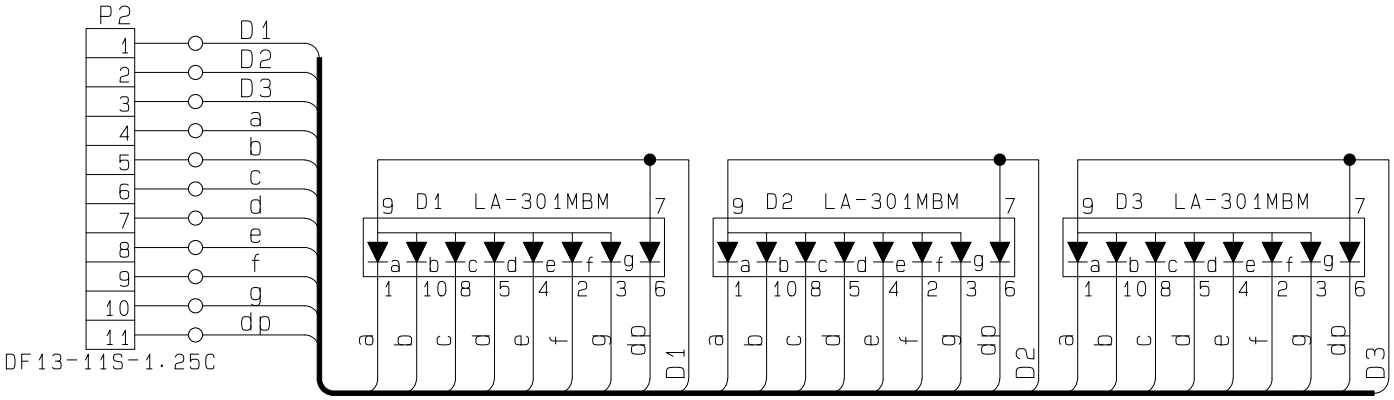


REF	
X1	8MHz(H2C8004A0001)
R49	1K/J3
C20	22P/UV
C21	22P/UV

COMPONENT NAME	BS FRONT	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP20819	KR0P19-1	
	SCM040	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

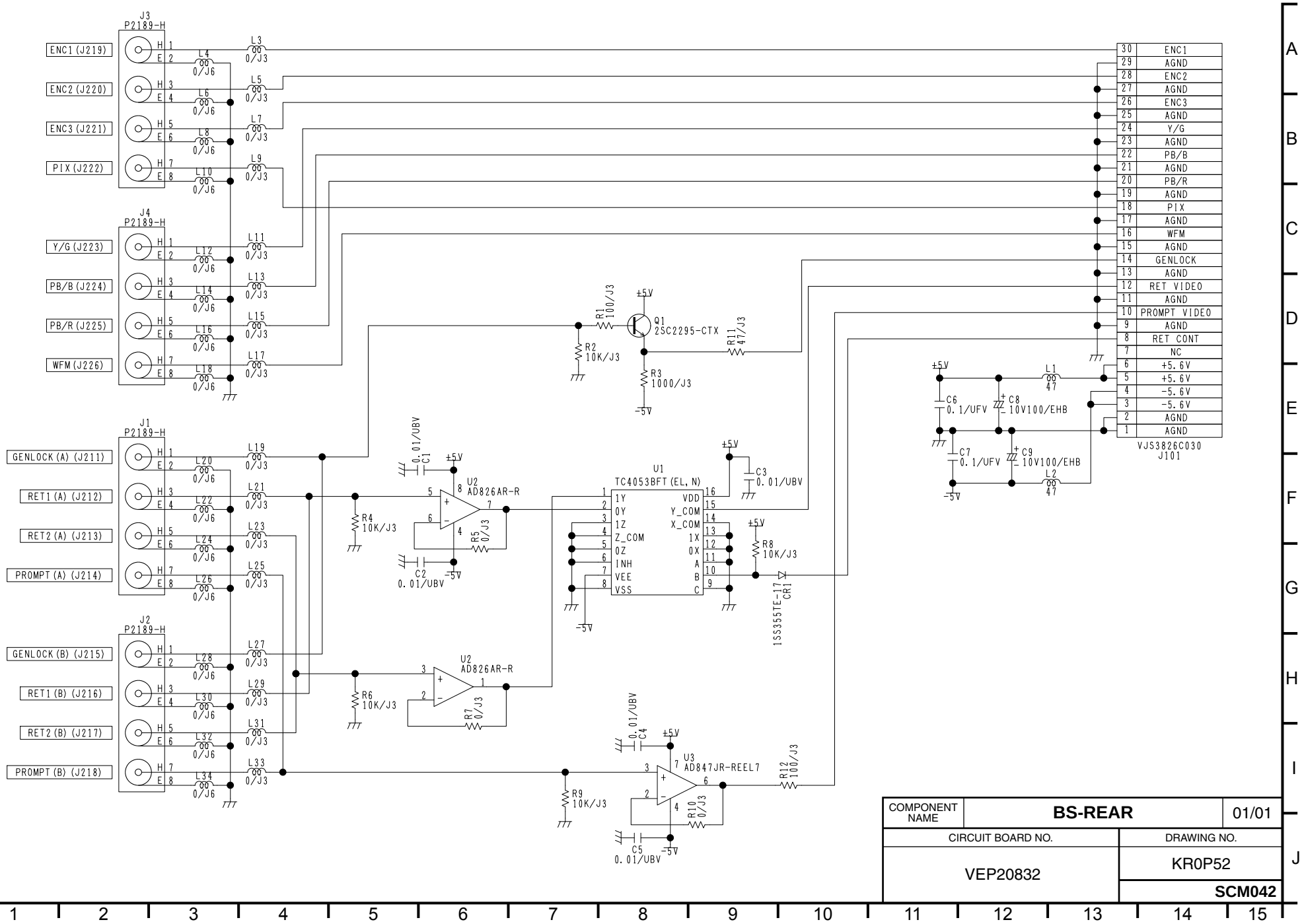


LAST No.
D 3

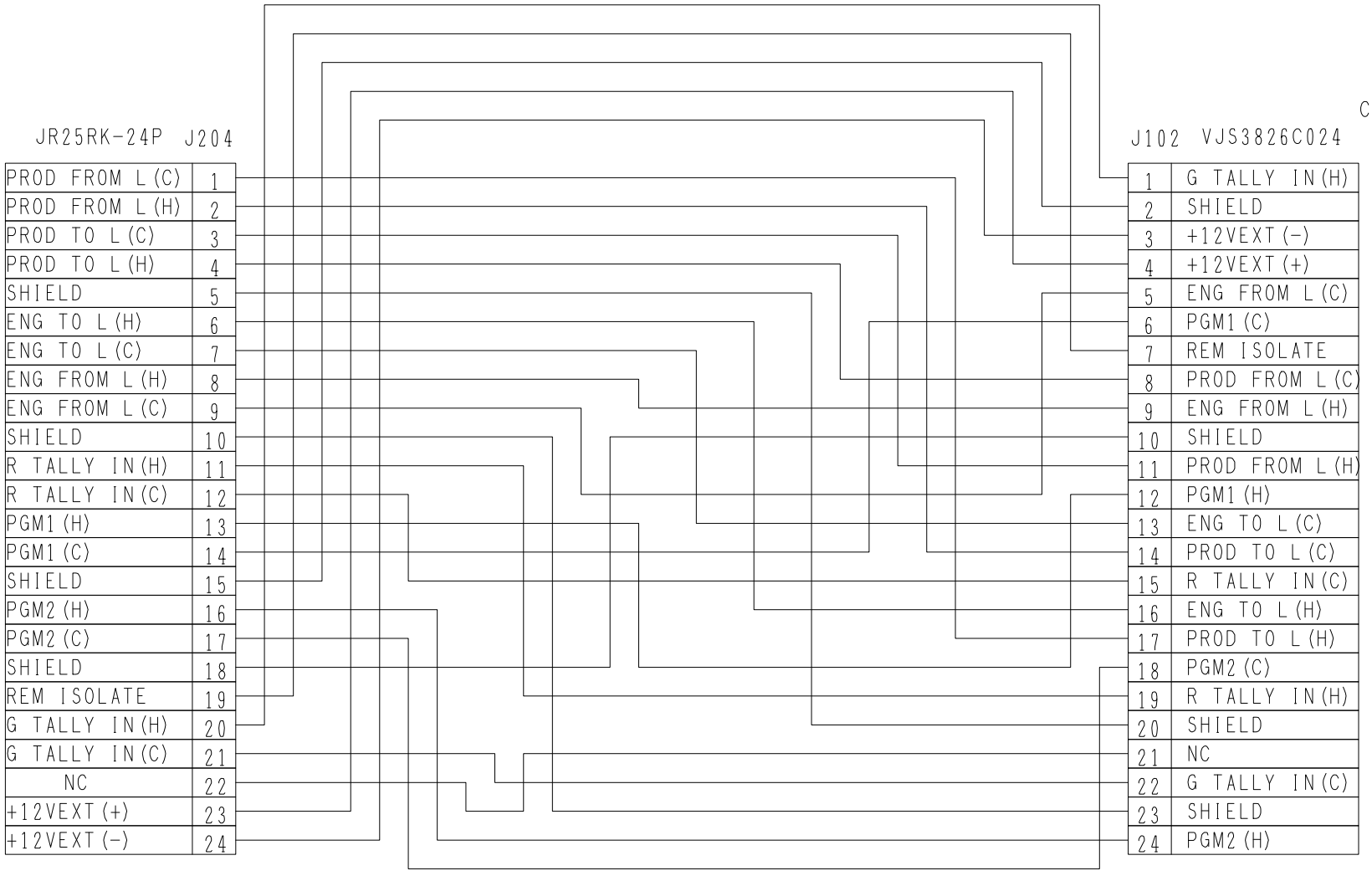
COMPONENT NAME	ECU LED	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP26248		KR6T42
		SCM041

A B C D E F G H I J

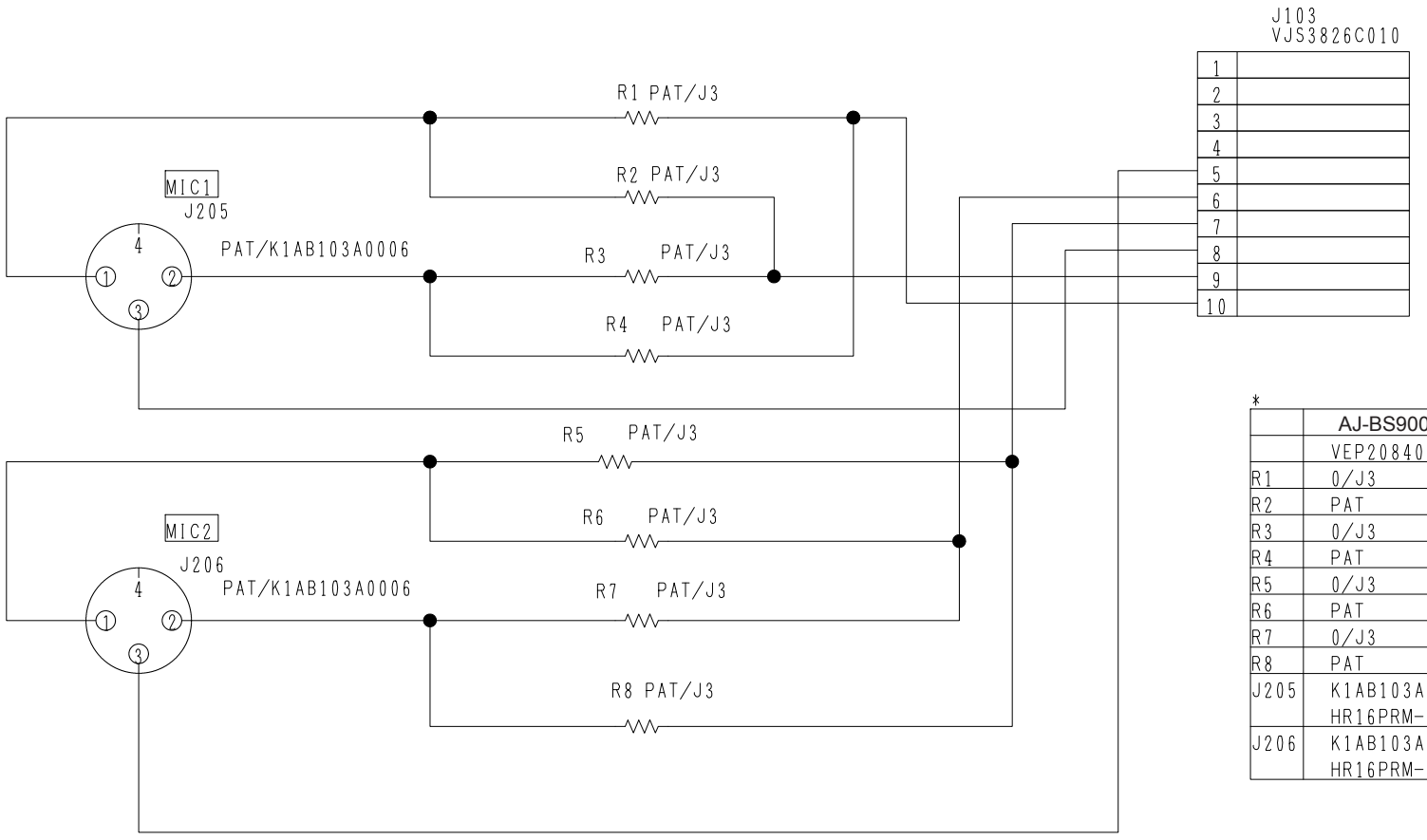
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	**BS-REAR**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20832		KR0P52
		SCM042



COMPONENT NAME	BS-COMM	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20833		KR0P53-1
		SCM043



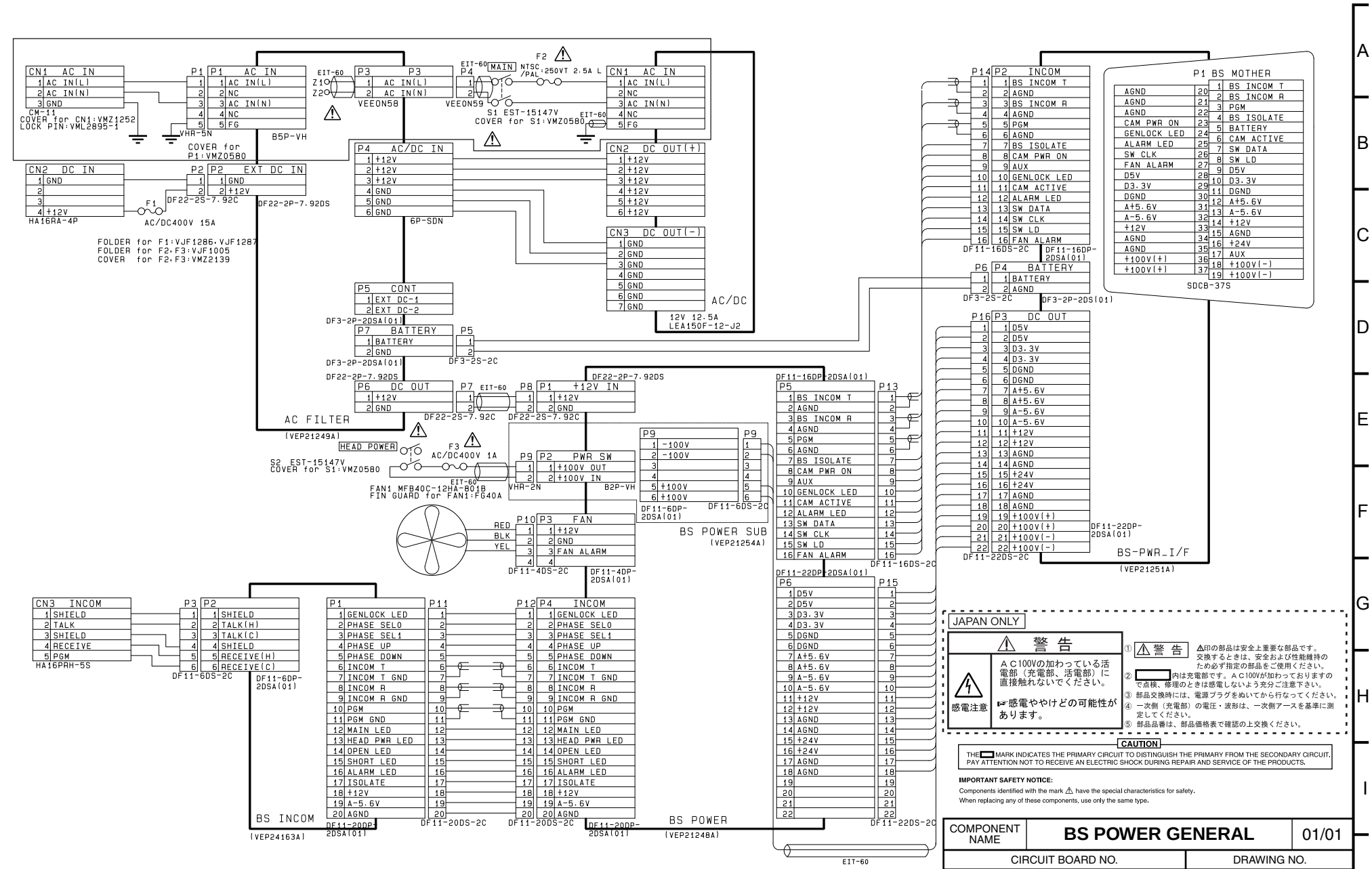
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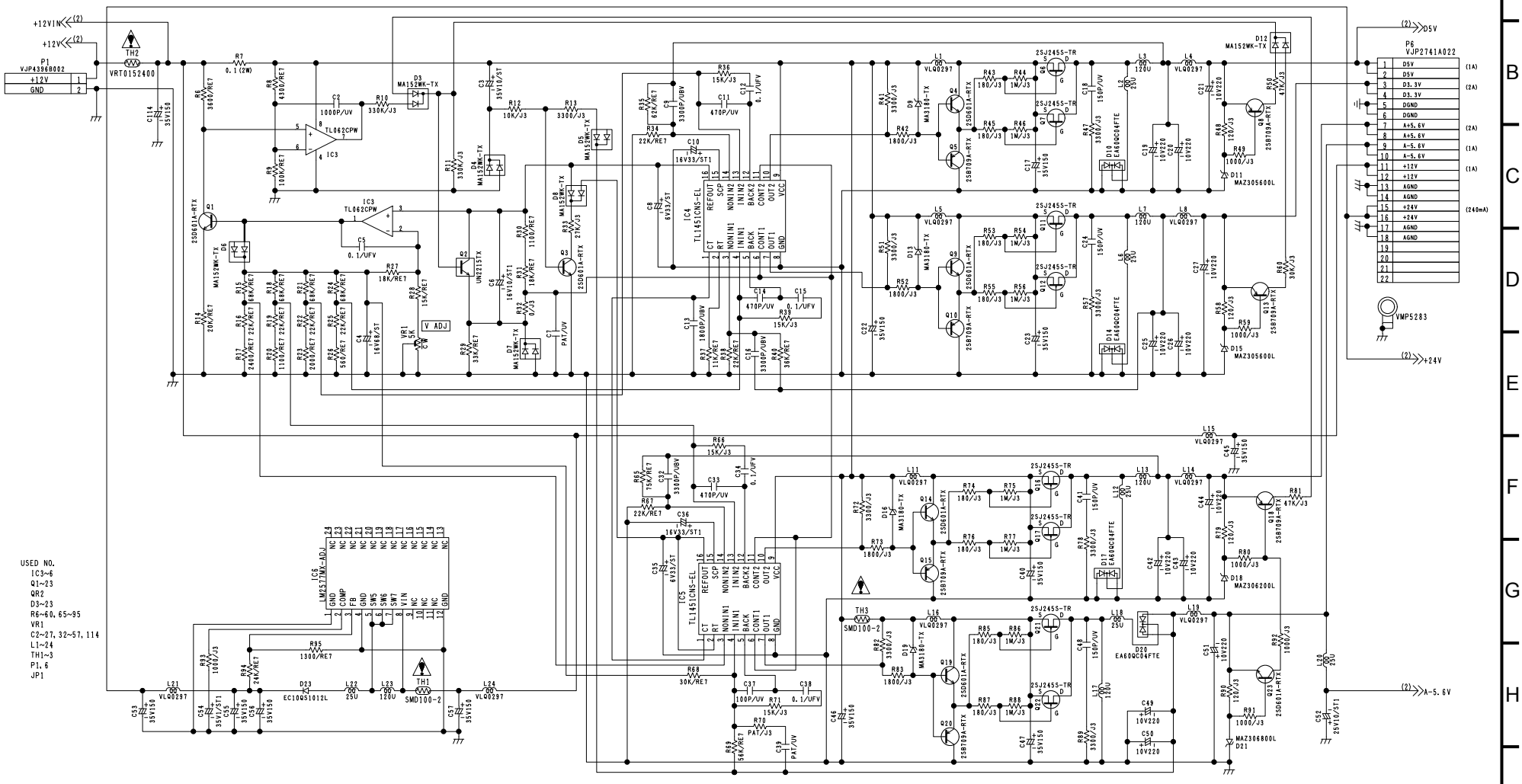
	AJ-BS900H	AJ-BS900HP/E
	VEP20840A	VEP20840B
R1	0/J3	PAT
R2	PAT	0/J3
R3	0/J3	PAT
R4	PAT	0/J3
R5	0/J3	PAT
R6	PAT	0/J3
R7	0/J3	PAT
R8	PAT	0/J3
J205	K1AB103A0006 HR16PRM-3SE	K1AA103A0001 HR16RM-3P
J206	K1AB103A0006 HR16PRM-3SE	K1AA103A0001 HR16RM-3P

COMPONENT NAME	BS AUDIO_CN	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20840		KR0P55-1
		SCM044

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


CN1 AC IN
1 AC IN(L)
2 AC IN(N)
3 GND
CM-11
COVER for CN1:VMZ1252
LOCK PIN:VML2895-1
VHR-5N
P1 AC IN
B5P-VH
COVER for P1:VMZ0580
EIT-60
Z1
Z2
P3 P3
1 AC IN(L)
2 AC IN(N)
VEEON58
P4 MAIN
VEEON59
F2
NTSC /PAL :250VT 2.5A L
S1 EST-15147V
COVER for S1:VMZ0580
CN1 AC IN
1 AC IN(L)
2 NC
3 AC IN(N)
4 NC
5 FG
CN2 DC IN
1 GND
4 +12V
HA16RA-4P
F1
AC/DC400V 15A
P2 P2 EXT DC IN
1 GND
2 +12V
DF22-2S-7.92C
DF22-2P-7.92DS
FOLDER for F1:VJF1286,VJF1287
FOLDER for F2,F3:VJF1005
COVER for F2,F3:VMZ2139
P4 AC/DC IN
1 +12V
2 +12V
3 +12V
4 GND
5 GND
6 GND
6P-SDN
CN2 DC OUT(+)
1 +12V
2 +12V
3 +12V
4 +12V
5 +12V
6 +12V
CN3 DC OUT(-)
1 GND
2 GND
3 GND
4 GND
5 GND
6 GND
7 GND
AC/DC
12V 12.5A
LEA150F-12-J2
P5 CONT
1 EXT DC-1
2 EXT DC-2
DF3-2P-2DSA(01)
P7 BATTERY
1 BATTERY
2 GND
P5
DF3-2S-2C
P6 DC OUT
1 +12V
2 GND
P7 EIT-60
DF22-2S-7.92C
P8 P1 +12V IN
1 +12V
2 GND
AC FILTER
(VEP21249A)
HEAD POWER
F3
AC/DC400V 1A
S2 EST-15147V
COVER for S1:VMZ0580
FAN1 MFB40C-12HA-B01B
FIN GUARD for FAN1:FG40A
P9 P2 PWR SW
1 +100V OUT
2 +100V IN
VHR-2N
B2P-VH
P9
1 -100V
2 -100V
5 +100V
6 +100V
DF11-6DP-2DSA(01)
DF11-6DS-2C
BS POWER SUB
(VEP21254A)
RED
BLK
YEL
P10 P3 FAN
1 +12V
2 GND
3 FAN ALARM
DF11-4DS-2C
DF11-4DP-2DSA(01)
P14 P2 INCOM
1 BS INCOM T
2 AGND
3 BS INCOM R
4 AGND
5 PGM
6 AGND
7 BS ISOLATE
8 CAM PWR ON
9 AUX
10 GENLOCK LED
11 CAM ACTIVE
12 ALARM LED
13 SW DATA
14 SW CLK
15 SW LD
16 FAN ALARM
DF11-16DS-2C
DF11-16DP-2DSA(01)
P1 BS MOTHER
AGND 20 1 BS INCOM T
AGND 21 2 BS INCOM R
AGND 22 3 PGM
CAM PWR ON 23 4 BS ISOLATE
GENLOCK LED 24 5 BATTERY
ALARM LED 25 6 CAM ACTIVE
SW CLK 26 7 SW DATA
FAN ALARM 27 8 SW LD
D5V 28 9 D5V
D3.3V 29 10 D3.3V
DGND 30 11 DGND
A+5.6V 31 12 A+5.6V
A-5.6V 32 13 A-5.6V
+12V 33 14 +12V
AGND 34 15 AGND
AGND 35 16 +24V
AGND 36 17 AUX
+100V(+) 37 18 +100V(-)
+100V(+) 19 +100V(-)
SDCB-37S
P6 P4 BATTERY
1 BATTERY
2 AGND
DF3-2S-2C
DF3-2P-2DSA(01)
P16 P3 DC OUT
1 D5V
2 D5V
3 D3.3V
4 D3.3V
5 DGND
6 DGND
7 A+5.6V
8 A+5.6V
9 A-5.6V
10 A-5.6V
11 +12V
12 +12V
13 AGND
14 AGND
15 +24V
16 +24V
17 AGND
18 AGND
19 +100V(+)
20 +100V(+)
21 +100V(-)
22 +100V(-)
DF11-22DS-2C
DF11-22DP-2DSA(01)
BS-PWR_I/F
(VEP21251A)
P5
1 BS INCOM T
2 AGND
3 BS INCOM R
4 AGND
5 PGM
6 AGND
7 BS ISOLATE
8 CAM PWR ON
9 AUX
10 GENLOCK LED
11 CAM ACTIVE
12 ALARM LED
13 SW DATA
14 SW CLK
15 SW LD
16 FAN ALARM
P13
DF11-16DS-2C
DF11-16DP-2DSA(01)
P6
1 D5V
2 D5V
3 D3.3V
4 D3.3V
5 DGND
6 DGND
7 A+5.6V
8 A+5.6V
9 A-5.6V
10 A-5.6V
11 +12V
12 +12V
13 AGND
14 AGND
15 +24V
16 +24V
17 AGND
18 AGND
19
20
21
22
P15
DF11-22DS-2C
DF11-22DP-2DSA(01)
EIT-60
CN3 INCOM
1 SHIELD
2 TALK
3 SHIELD
4 RECEIVE
5 PGM
HA16PRH-5S
P3 P2
1 SHIELD
2 TALK(H)
3 TALK(C)
4 SHIELD
5 RECEIVE(H)
6 RECEIVE(C)
DF11-6DS-2C
DF11-6DP-2DSA(01)
P1
1 GENLOCK LED
2 PHASE SEL0
3 PHASE SEL1
4 PHASE UP
5 PHASE DOWN
6 INCOM T
7 INCOM T GND
8 INCOM R
9 INCOM R GND
10 PGM
11 PGM GND
12 MAIN LED
13 HEAD PWR LED
14 OPEN LED
15 SHORT LED
16 ALARM LED
17 ISOLATE
18 +12V
19 A-5.6V
20 AGND
DF11-20DP-2DSA(01)
P11
DF11-20DS-2C
P12 P4 INCOM
1 GENLOCK LED
2 PHASE SEL0
3 PHASE SEL1
4 PHASE UP
5 PHASE DOWN
6 INCOM T
7 INCOM T GND
8 INCOM R
9 INCOM R GND
10 PGM
11 PGM GND
12 MAIN LED
13 HEAD PWR LED
14 OPEN LED
15 SHORT LED
16 ALARM LED
17 ISOLATE
18 +12V
19 A-5.6V
20 AGND
DF11-20DS-2C
DF11-20DP-2DSA(01)
BS INCOM
(VEP24163A)
BS POWER
(VEP21248A)
JAPAN ONLY
警 告
感電注意
ＡＣ100Vの加わっている活電部（充電部、活電部）に直接触れないでください。
☞感電ややけどの可能性があります。
① 警 告 △印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
② 内は充電部です。ＡＣ100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意下さい。
③ 部品交換時には、電源プラグをぬいてから行なってください。
④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。
⑤ 部品品番は、部品価格表で確認の上交換ください。
CAUTION
THE MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.
IMPORTANT SAFETY NOTICE:
Components identified with the mark △ have the special characteristics for safety.
When replacing any of these components, use only the same type.
COMPONENT NAME
BS POWER GENERAL
01/01
CIRCUIT BOARD NO.
DRAWING NO.
KR9K06
SCM045
A
B
C
D
E
F
G
H
I
J
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

JAPAN ONLY

⚠ 警 告

感電注意

A C100Vの加わっている活電部（充電部、活電部）に直接触れないでください。

☞感電ややけどの可能性があります。

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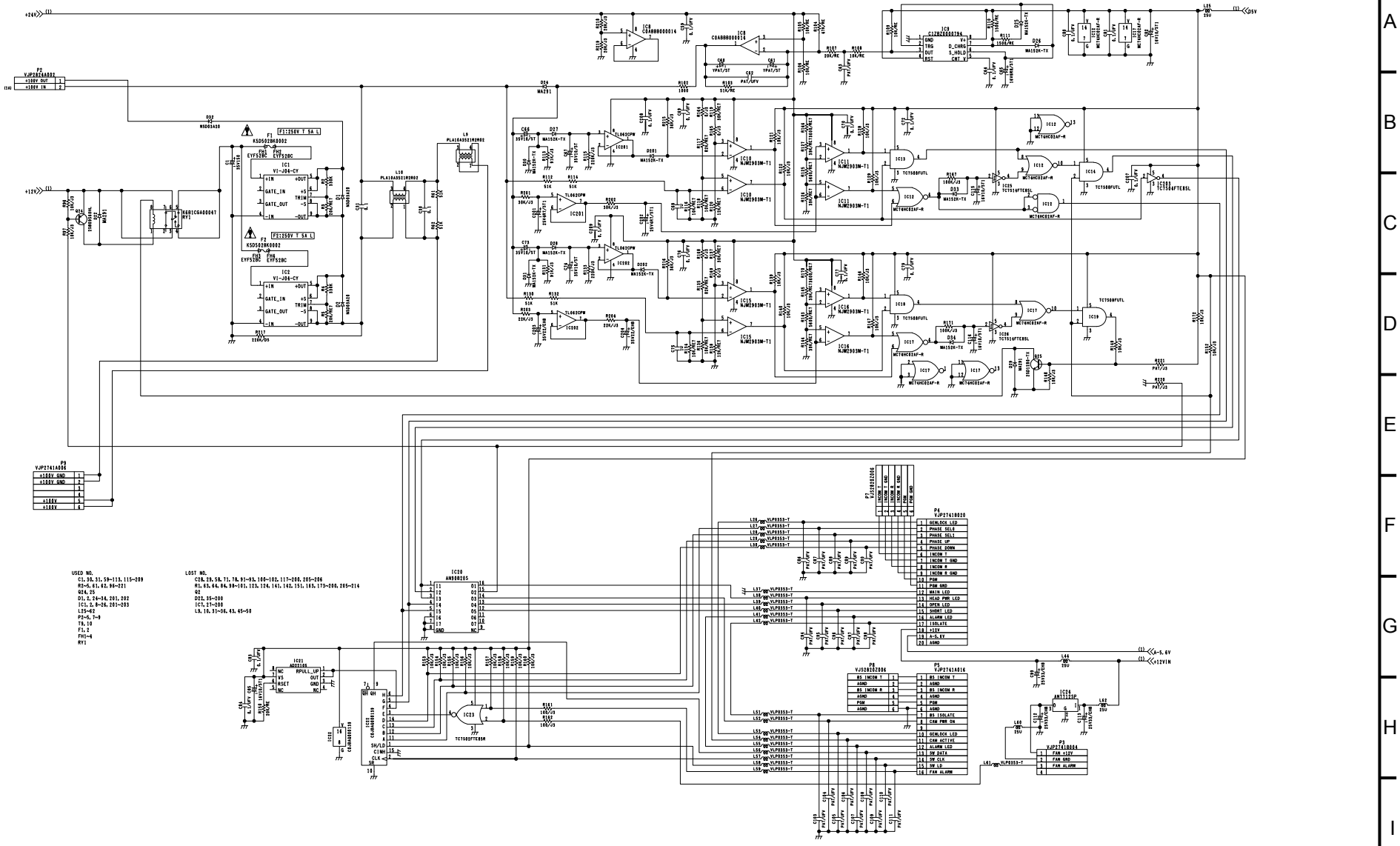
② ▭ 内は充電部です。A C100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意下さい。

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④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

COMPONENT NAME	BS POWER	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP21248		KR1E35-3
		SCM046-1



USED NO.
C1, 10, 51, 59~113, 115~209
R2~5, 61, 62, 98~221
Q24, 25
D1, 2, 26~34, 201, 202
IC1, 2, 8~26, 201~203
L25~42
P2~5, 7~9
T9, 10
F1, 2
FH1~4
RY1

LOST NO.
C16, 19, 58, 72, 78, 91~93, 100~102, 117~200, 205~206
R1, 63, 64, 84, 98~101, 123, 124, 141, 142, 151, 183, 175~200, 205~214
Q2
D22, 35~200
IC7, 27~200
L9, 16, 31~36, 43, 45~50

CAUTION
THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

JAPAN ONLY

⚠ 警 告

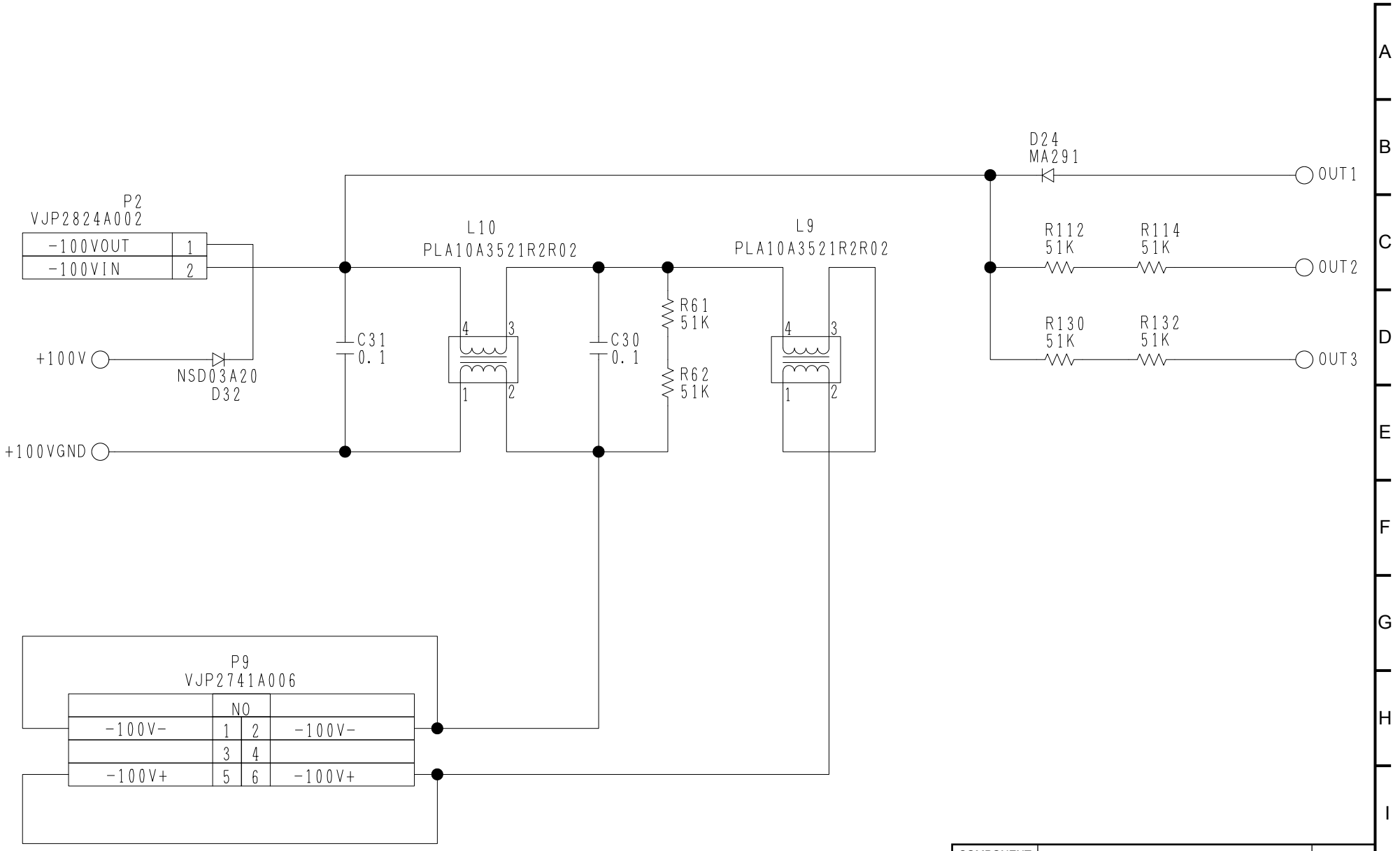
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③ 部品交換時には、電源プラグをぬいてから行なってください。
④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。
⑤ 部品品番は、部品価格表で確認の上交換ください。

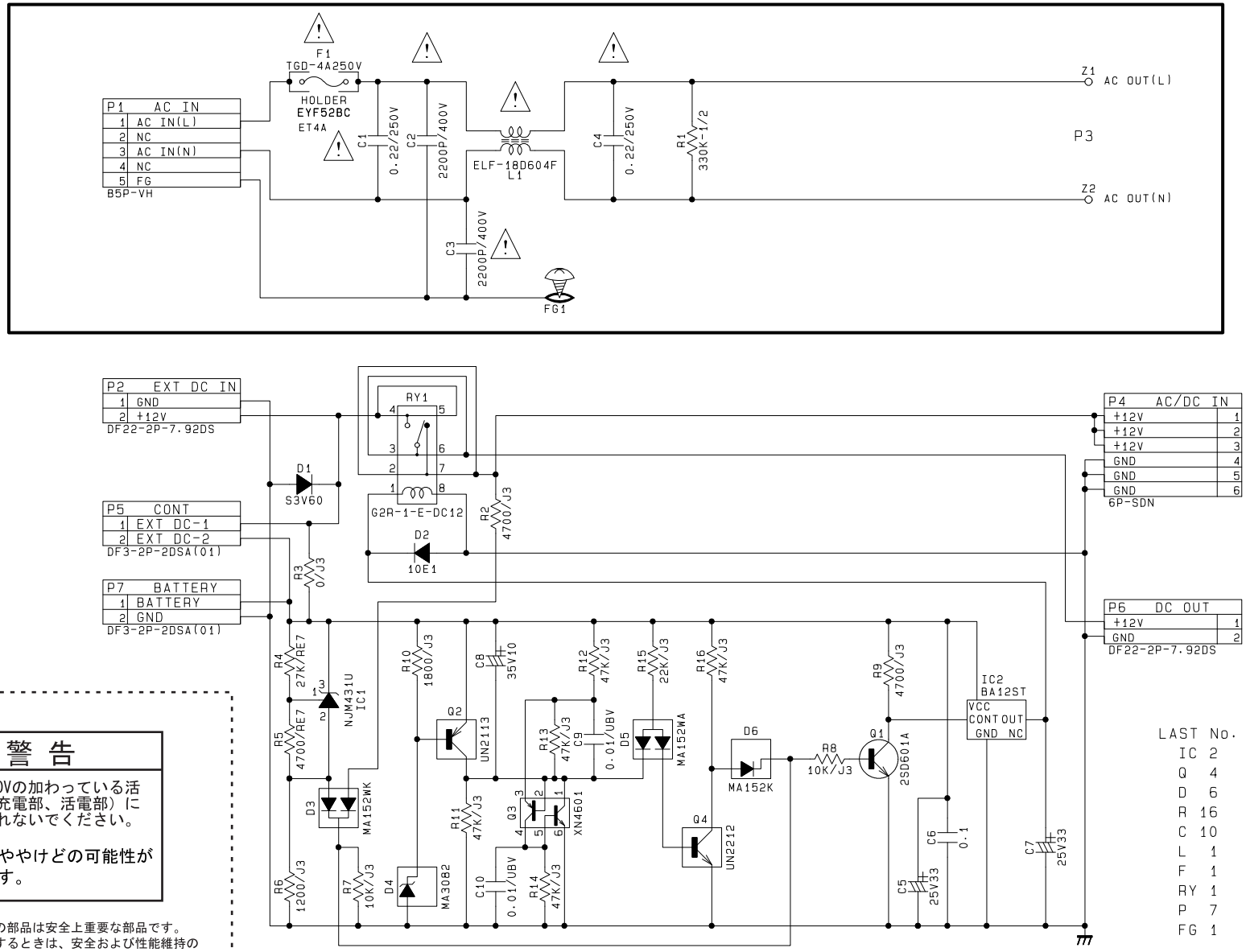
COMPONENT NAME	BS POWER	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP21248		KR1E35-3
		SCM046-2



COMPONENT NAME	BS_POWER_SUB	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP21254	KR1F11	
	SCM047	

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



LAST No.

IC	2
Q	4
D	6
R	16
C	10
L	1
F	1
RY	1
P	7
FG	1

JAPAN ONLY

⚠ 警 告

感電注意

ＡＣ100Vの加わっている活電部（充電部、活電部）に直接触れないでください。

☞感電ややけどの可能性があります。

① ⚠ 警 告 ⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

② ☐ 内は充電部です。ＡＣ100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意下さい。

③ 部品交換時には、電源プラグをぬいてから行なってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

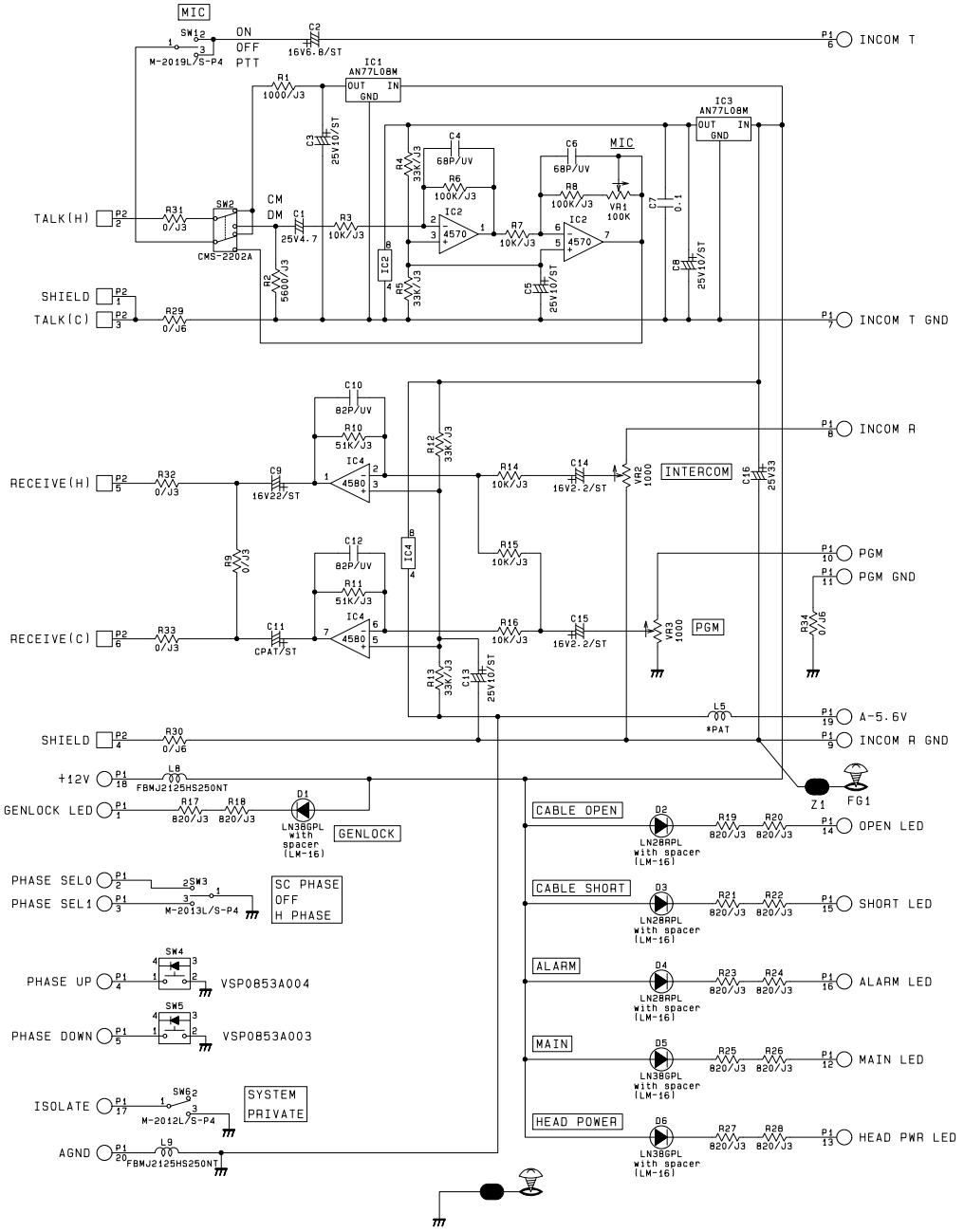
CAUTION

THE ☐ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.

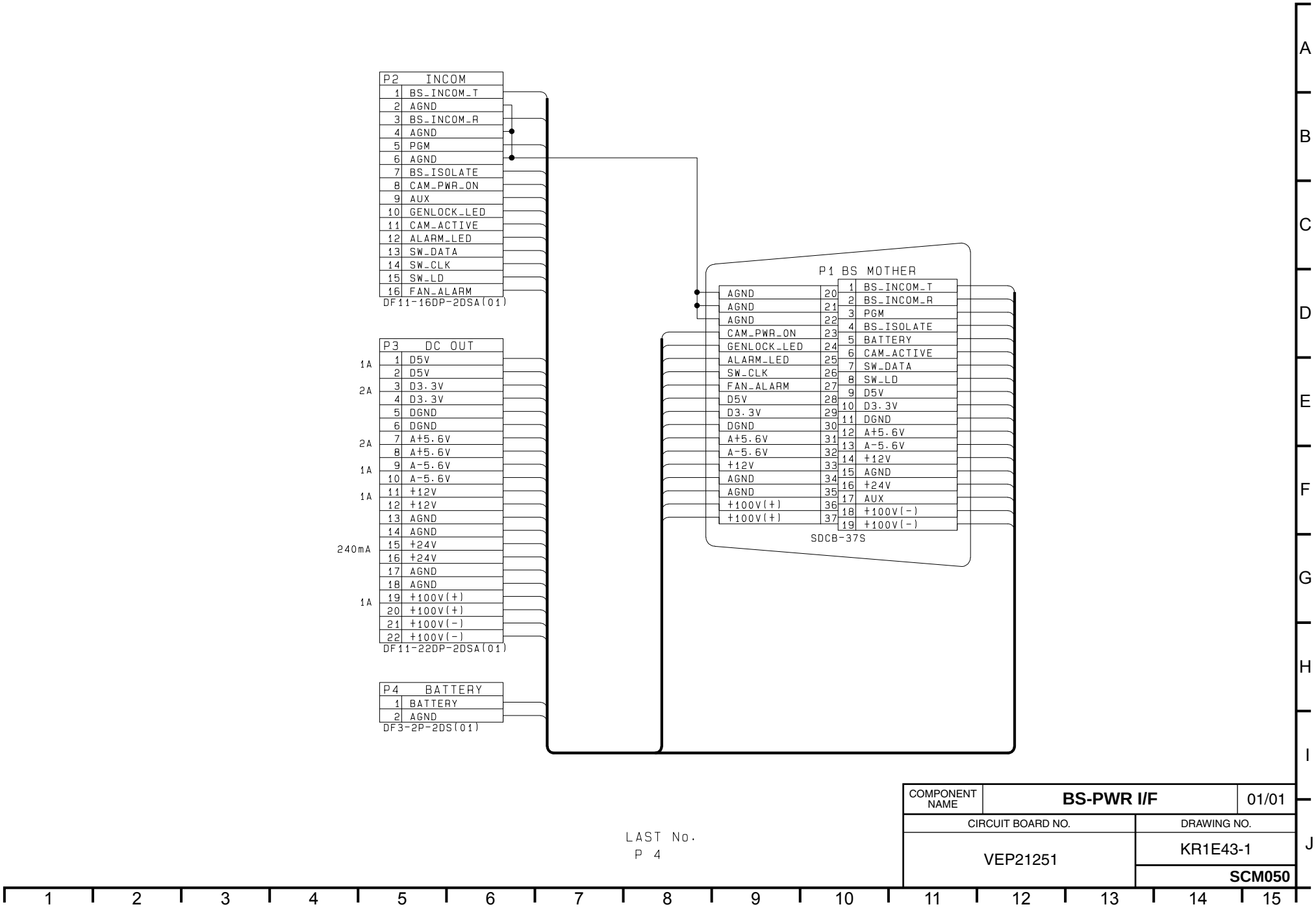
COMPONENT NAME	BS AC FILTER	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP21249		KR1E36-2
		SCM048



LAST NO.	LOST NO.
IC 4	L1, 2, 3, 4, 6, 7
D 6	
R 34	
VR 3	
C 16	
L 9	
SW 6	
P 2	

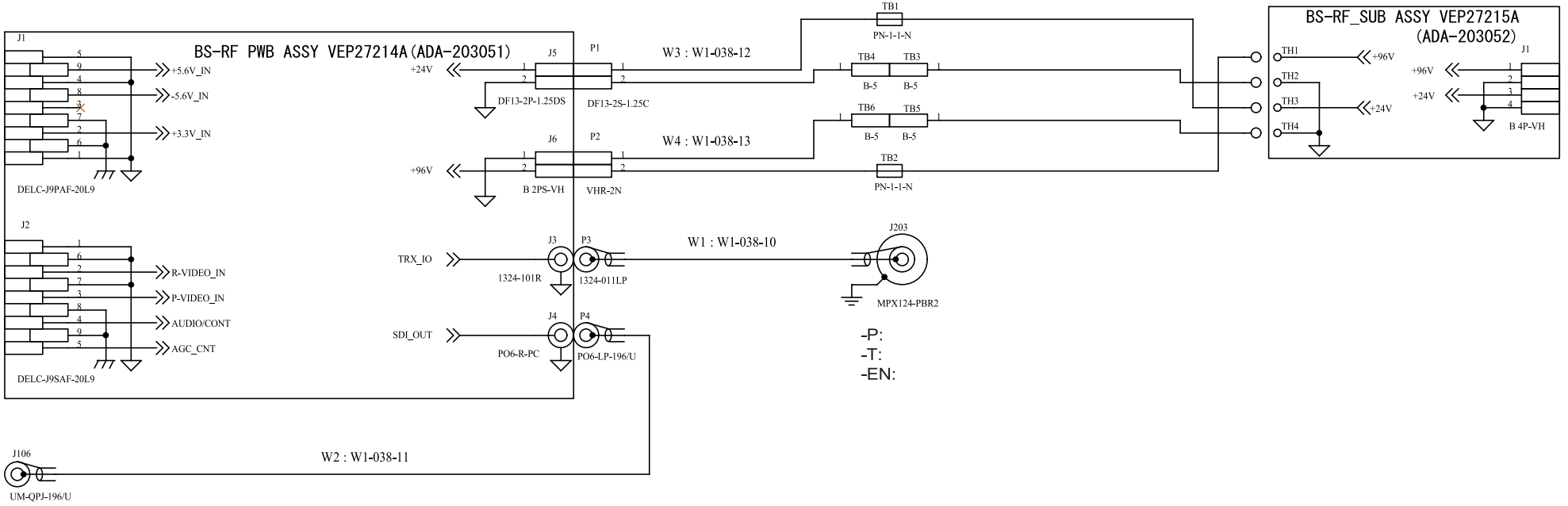
○ P1 DF11-20DP-2DSA(01)
□ P2 DF11-6DP-2DSA(01)

COMPONENT NAME	BS INCOM	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP24163		KR4J56-2
		SCM049

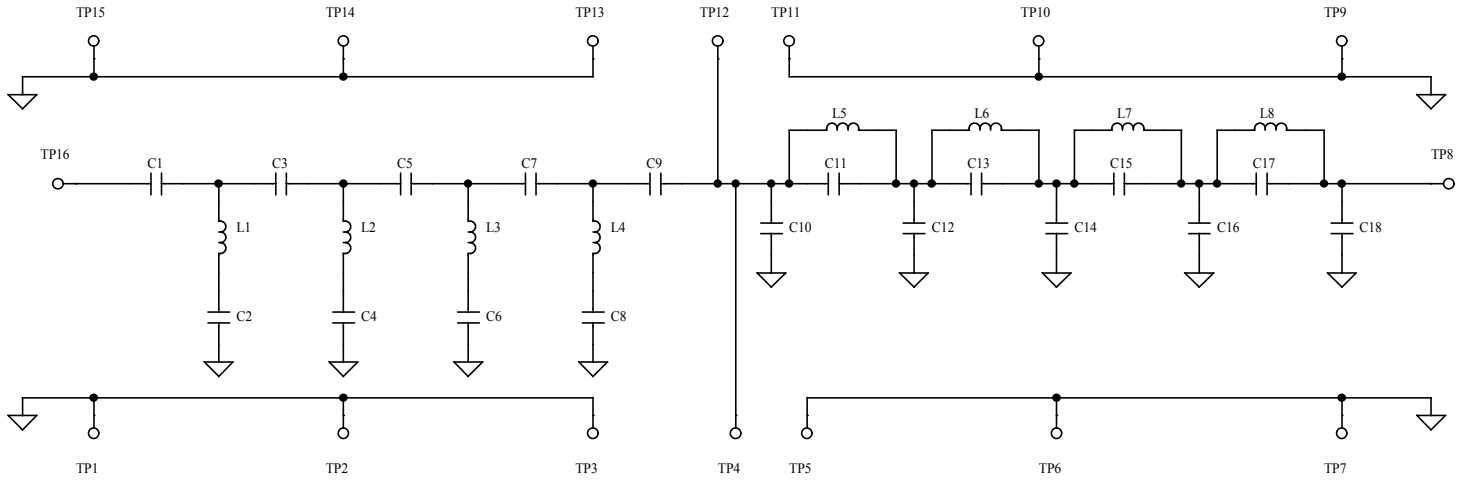


LAST No.
P 4

COMPONENT NAME	BS-PWR I/F	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP21251		KR1E43-1
		SCM050



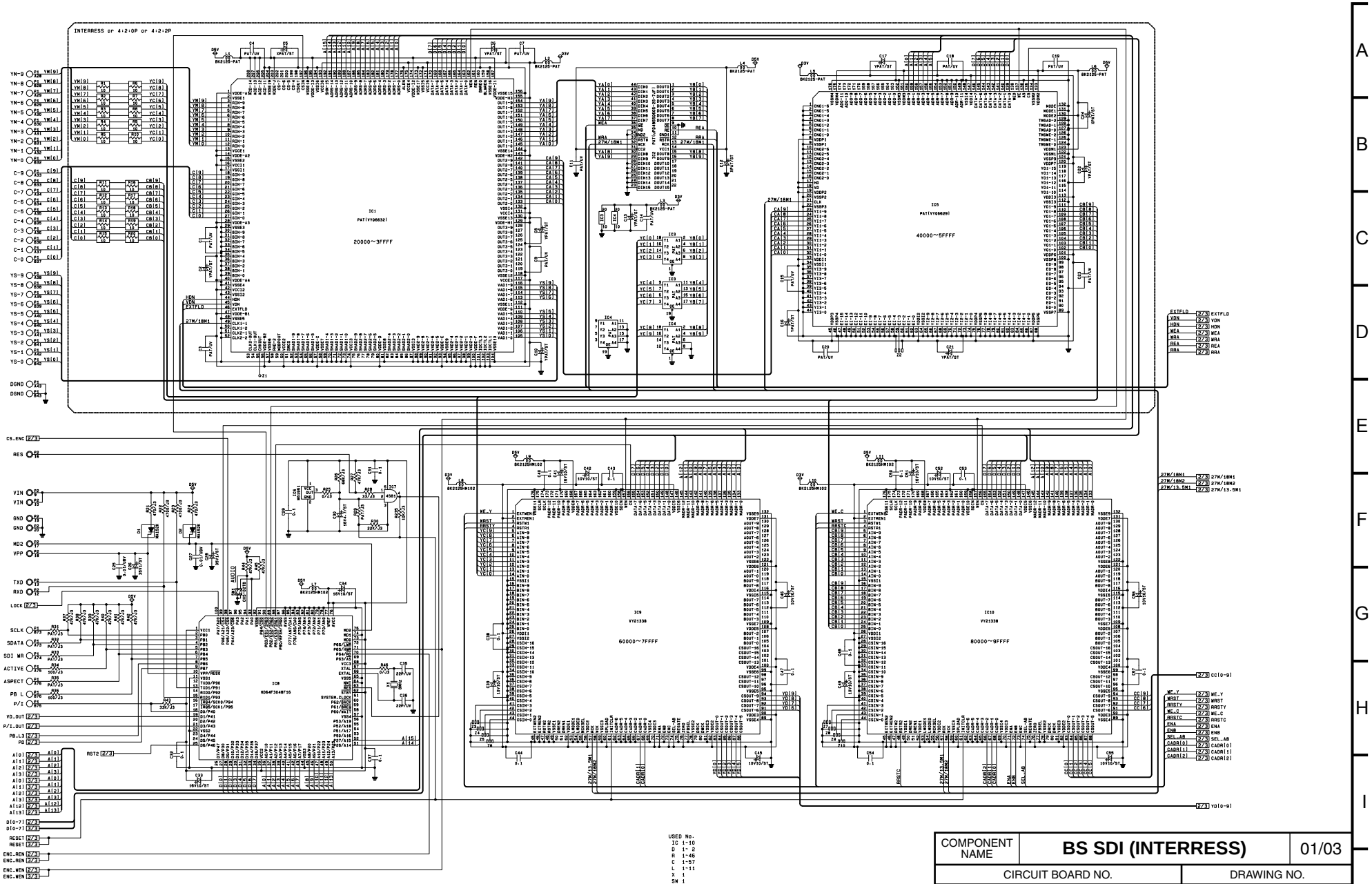
COMPONENT NAME	BS-RFU INTER CONNECTION	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
	KR9K07	
	SCM051	



COMPONENT NAME	DUPLEXER	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP20839		KR0P54
		SCM052

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

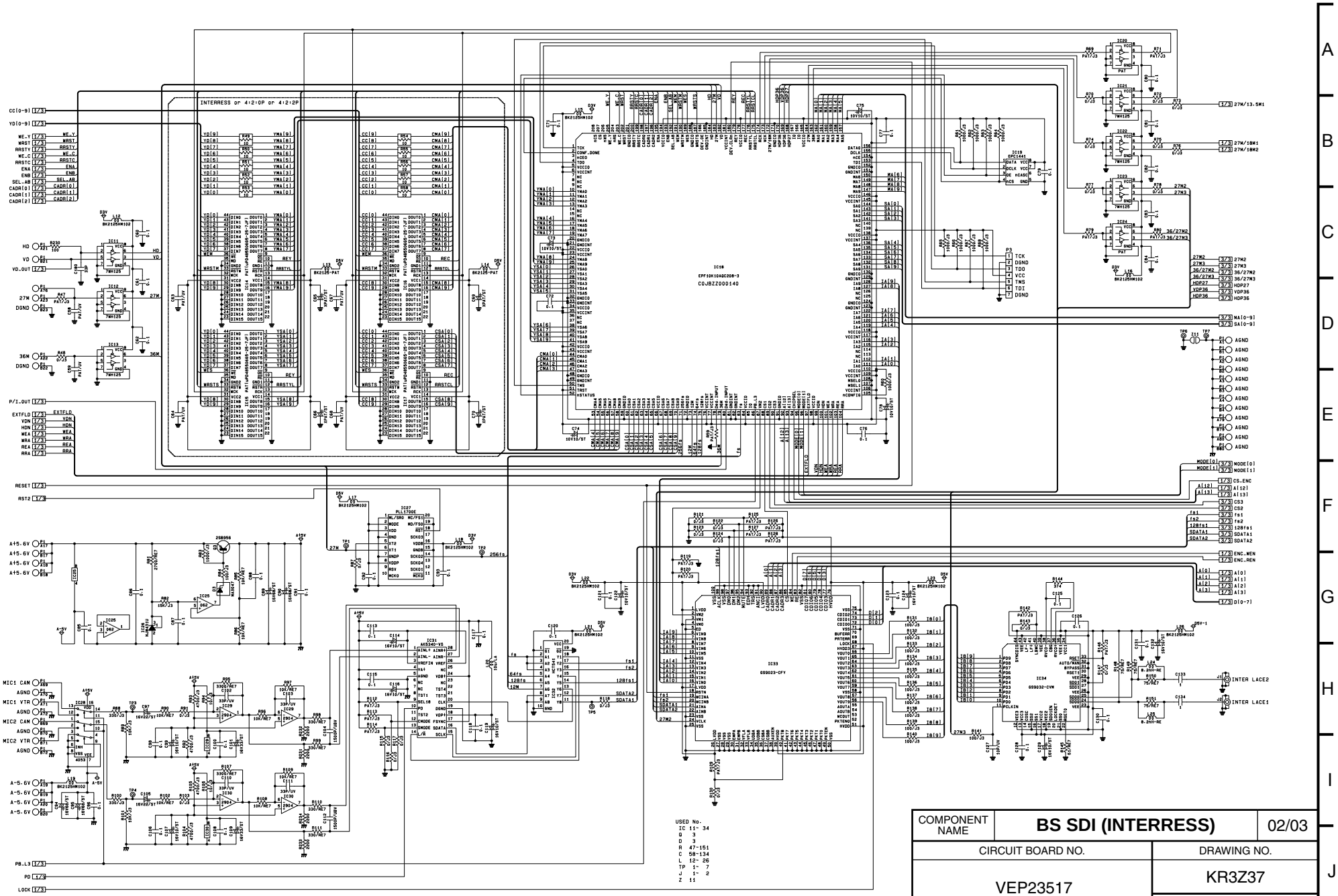


USED No.
IC 1-10
D 1-2
R 1-46
C 1-57
L 1-11
X 1
SW 1
Z 1-10

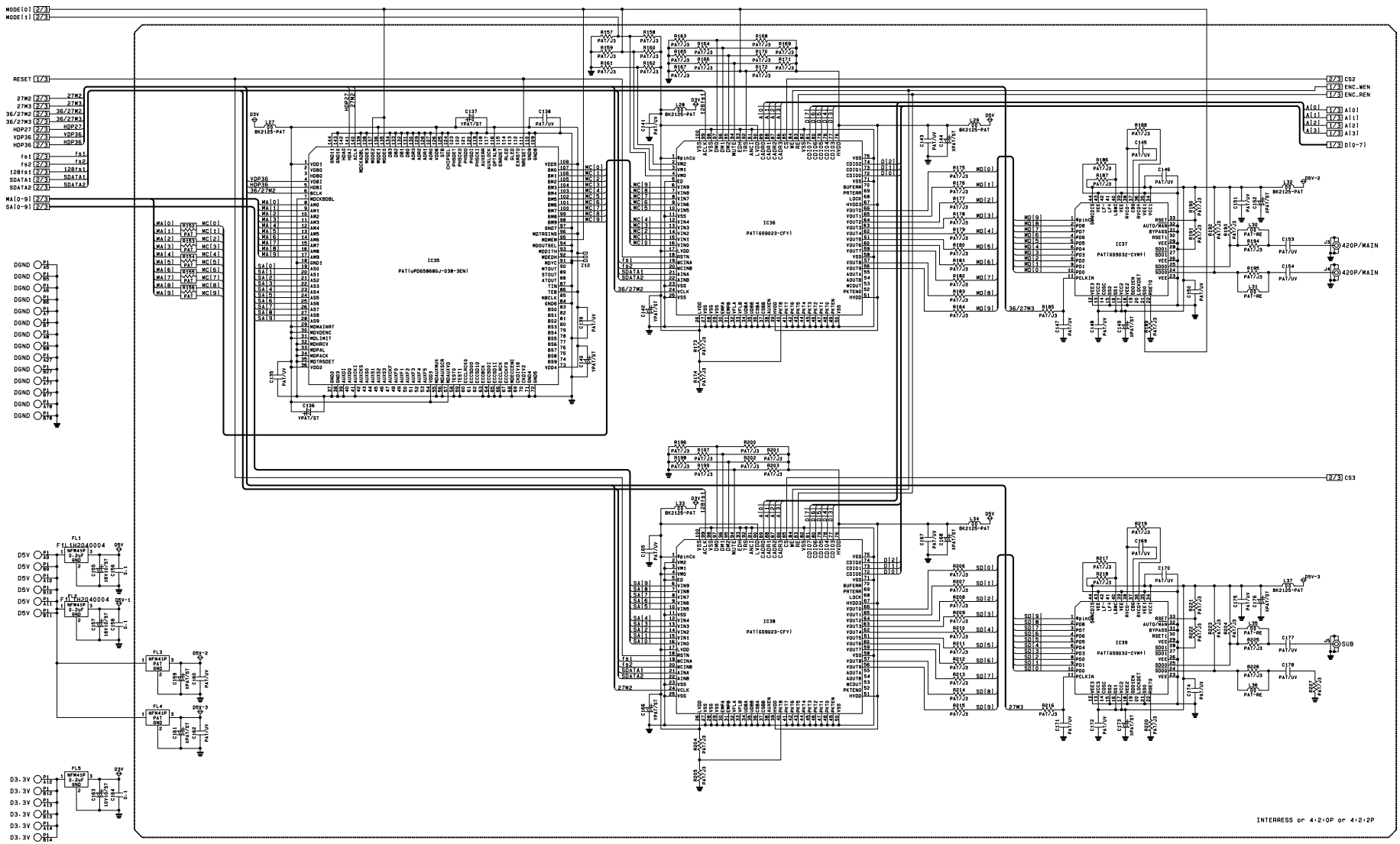
COMPONENT NAME	BS SDI (INTERRESS)	01/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP23517		KR3Z37
		SCM053

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	**BS SDI (INTERRESS)**	02/03
CIRCUIT BOARD NO.	DRAWING NO.	
VEP23517	KR3Z37	
	SCM054	



USED No.
IC 35~ 39
R 152~227
C 135~178
L 27~ 37
FL 1~ 5
J 3~ 5
Z 12

LAST No.
IC 39
Q 3
D 3
R 227
C 178
L 37
FL 5
X 1
SW 1
TP 7
J 5
Z 12
P 3

○ P1 KX15-160NLN1L
◉ P2 FH12-20S-0.5SV
□ P3 DF13A-7P-1.25H(50)

COMPONENT NAME	BS SDI (INTERRESS)	03/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP23517		KR3Z37
		SCM055

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

SECTION 7

CIRCUIT BOARD DIAGRAMS

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 8

CAUTION

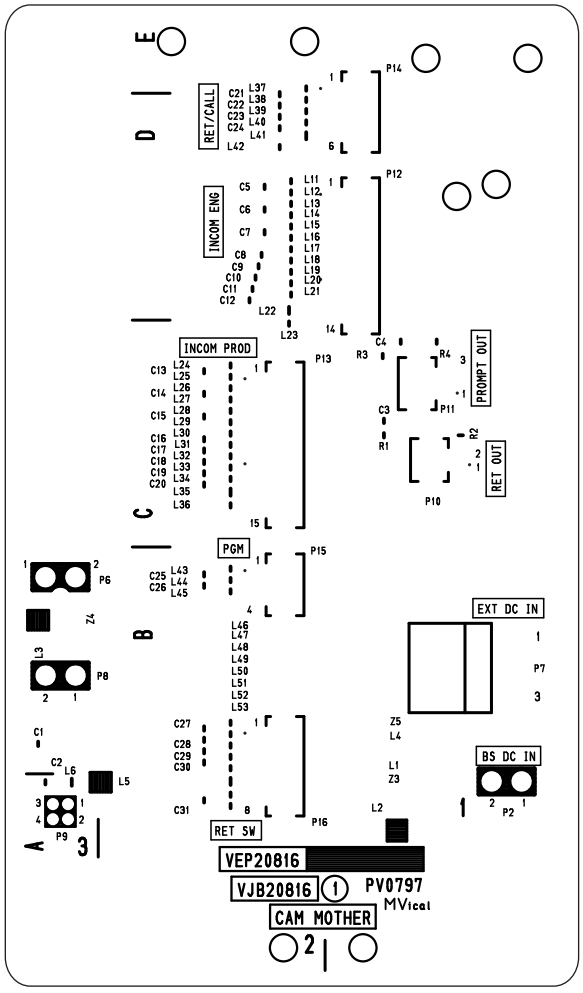
THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

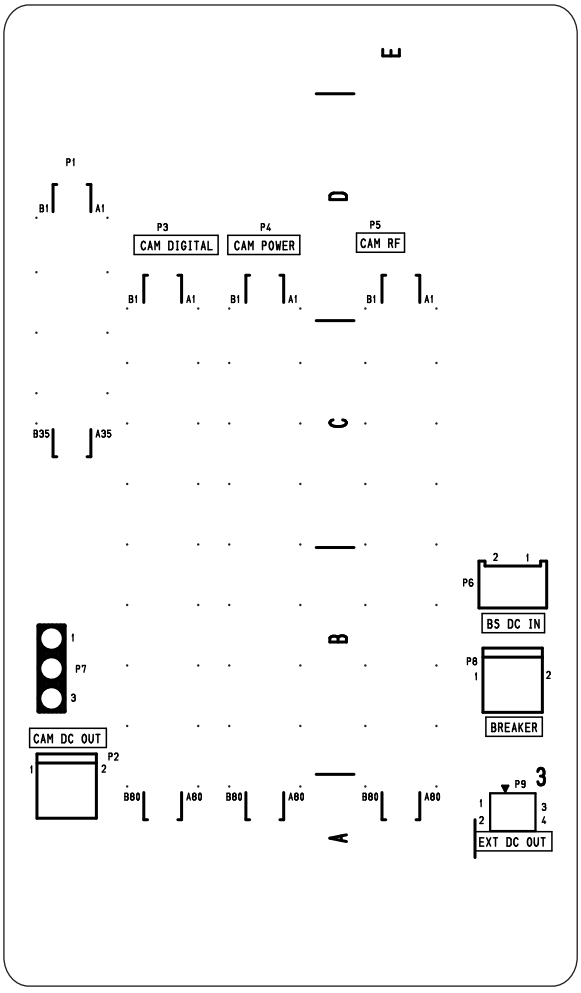
CONTENTS

CAM MOTHER C.B.A. (VEP20816) CBA-1
CAM POWER C.B.A. (VEP21250) CBA-2
CAM DIGITAL C.B.A. (VEP23516) CBA-3
CAM INCOM C.B.A. (VEP24165) CBA-4
CAM RET C.B.A. (VEP20817) CBA-4
BS MOTHER C.B.A. (VEP20818) CBA-5
BS DIGITAL C.B.A. (VEP23518) CBA-6
BS DIGITAL SUB C.B.A. (VEP20885) CBA-8
SETUP SUB C.B.A. (VEP23533) CBA-8
ECU LED C.B.A. (VEP26248) CBA-8
BS PWR I/F C.B.A. (VEP21251) CBA-8
BS AUDIO C.B.A. (VEP24166) CBA-9
BS FRONT C.B.A. (VEP20819) CBA-11
BS POWER C.B.A. (VEP21248) CBA-13
BS AC FILTER C.B.A. (VEP21249) CBA-15
BS INCOM C.B.A. (VEP24163) CBA-16
BS SDI C.B.A. (VEP23517) CBA-17

CAM MOTHER C.B.A (VEP20816)



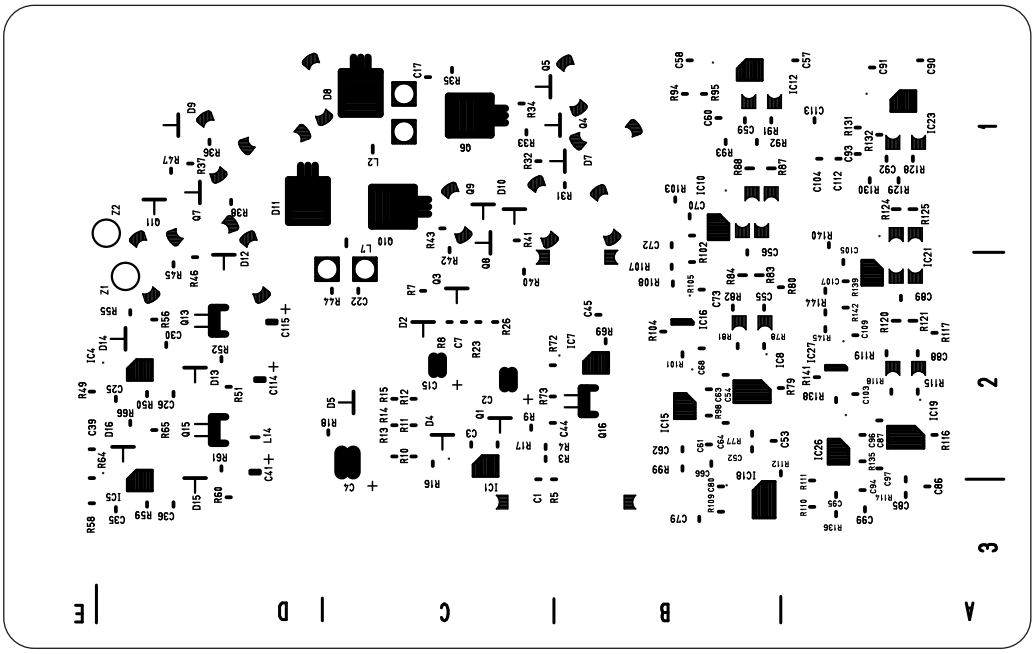
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(COMPONENT SIDE)

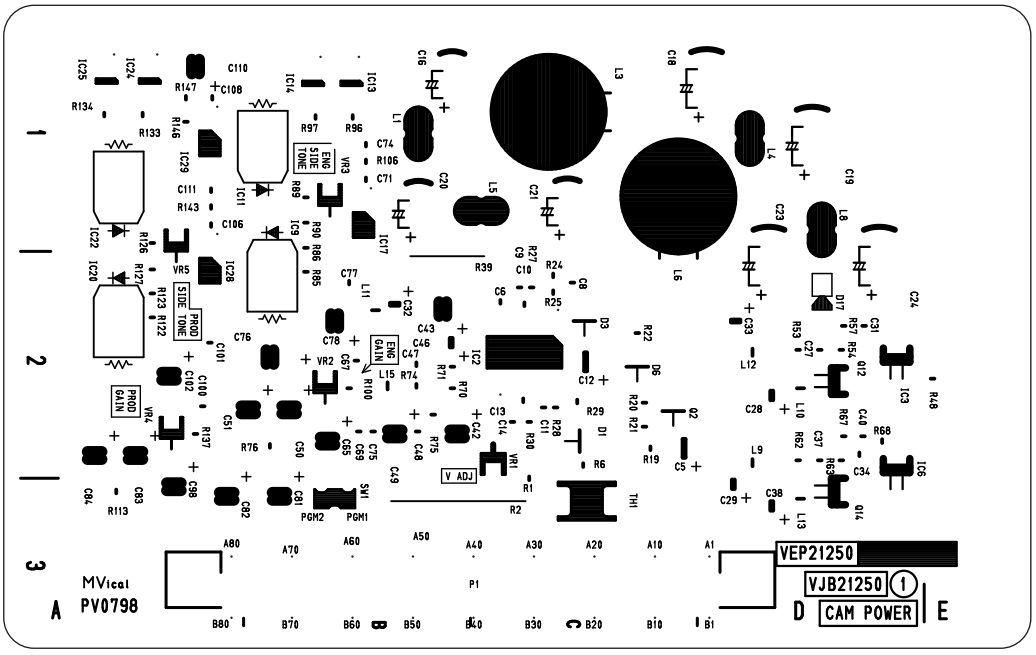
CAM POWER C.B.A (VEP21250)

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	2C	IC15	2B	IC27	2A	Q8	1C
IC4	2D	IC16	2B	Q1	2C	Q9	1C
IC5	3D	IC18	3B	Q3	2C	Q10	1C
IC7	2B	IC19	2A	Q4	1B	Q11	1D
IC8	2B	IC21	2A	Q5	1C	Q13	2D
IC10	1B	IC23	1A	Q6	1C	Q15	2D
IC12	1B	IC26	2A	Q7	1D	Q16	2B



(FOIL SIDE)

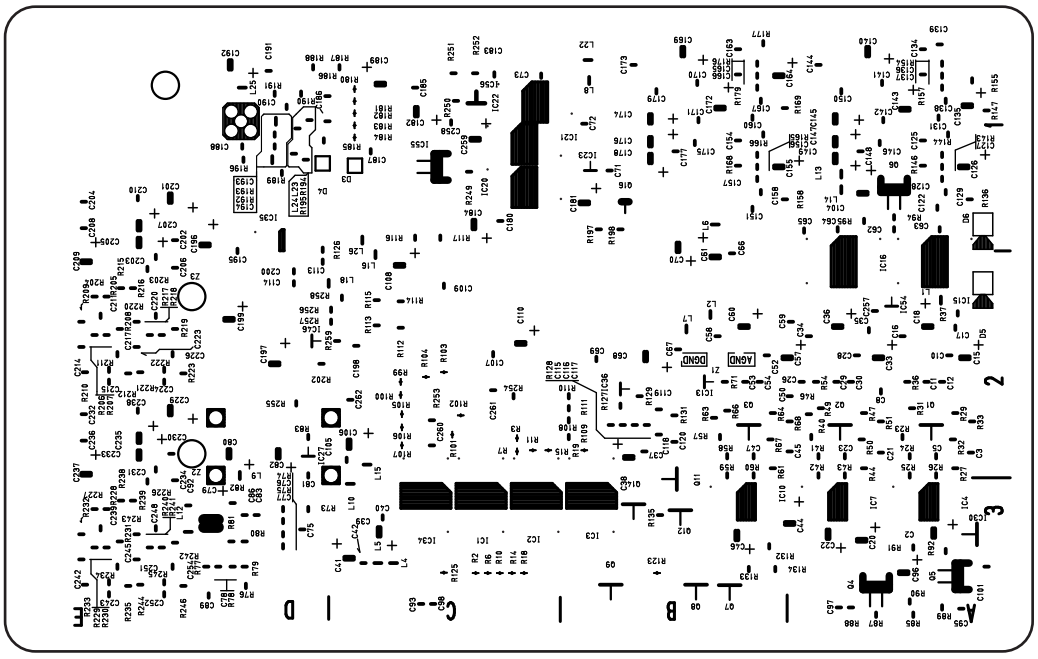
REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	2C	IC14	1B	IC28	2A	SW1	3B
IC3	2D	IC17	1B	IC29	1A	VR1	2C
IC6	2D	IC20	2A	P1	3B	VR2	2B
IC9	1B	IC22	1A	Q2	2C	VR3	1B
IC11	1B	IC24	1A	Q12	2D	VR4	2A
IC13	1B	IC25	1A	Q14	3D	VR5	1A



(COMPONENT SIDE)

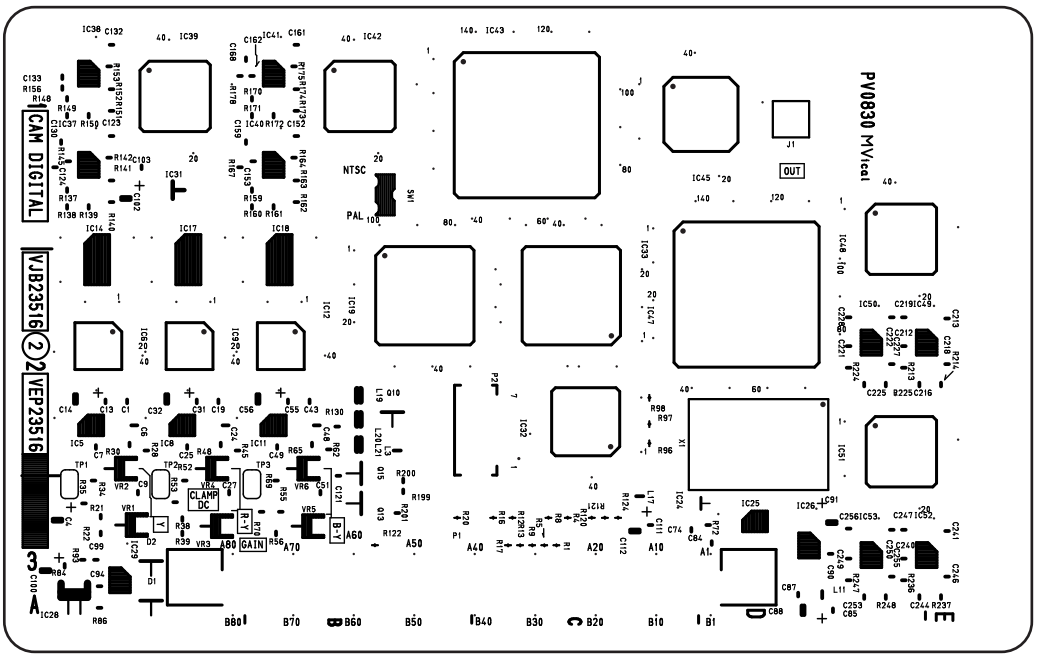
CAM DIGITAL C.B.A (VEP23516)

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	3C	IC20	1C	IC54	2A	Q7	3B
IC2	3C	IC21	1C	IC55	1C	Q8	3B
IC3	3B	IC22	1C	IC56	1C	Q9	3B
IC4	3A	IC23	1B	Q1	2A	Q11	3B
IC7	3A	IC27	2D	Q2	2A	Q12	3B
IC10	3B	IC34	3C	Q3	2B	Q14	3B
IC13	2B	IC35	1D	Q4	3A	Q16	1B
IC15	2A	IC36	2B	Q5	3A		
IC16	2A	IC46	2D	Q6	1A		



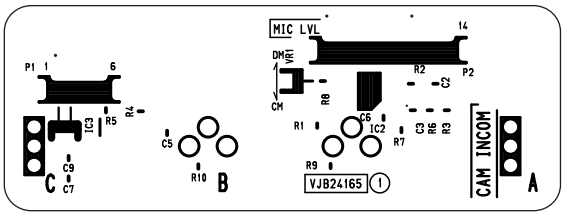
(FOIL SIDE)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5	2A	IC18	2B	IC32	2C	IC43	1C	IC53	3D	TP2	3A
IC6	2A	IC19	2B	IC33	2C	IC45	1D	P1	3B	TP3	3B
IC8	2A	IC24	3D	IC37	1A	IC47	2D	P2	2C	VR1	3A
IC9	2A	IC25	3D	IC38	1A	IC48	1D	Q10	2B	VR2	2A
IC11	2B	IC26	3D	IC39	1A	IC49	2E	Q13	3B	VR3	3A
IC12	2B	IC28	3A	IC40	1B	IC50	2D	Q15	2B	VR4	2A
IC14	2A	IC29	3A	IC41	1B	IC51	2D	SW1	1B	VR5	3B
IC17	2A	IC31	1A	IC42	1B	IC52	3E	TP1	3A	VR6	2B

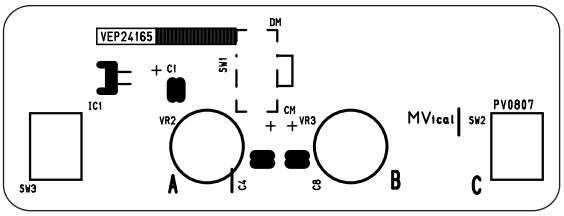


(COMPONENT SIDE)

CAM INCOM C.B.A (VEP24165)

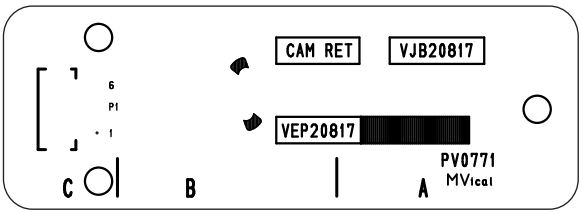


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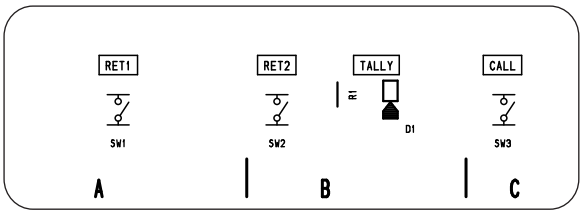


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CAM RET C.B.A (VEP20817)



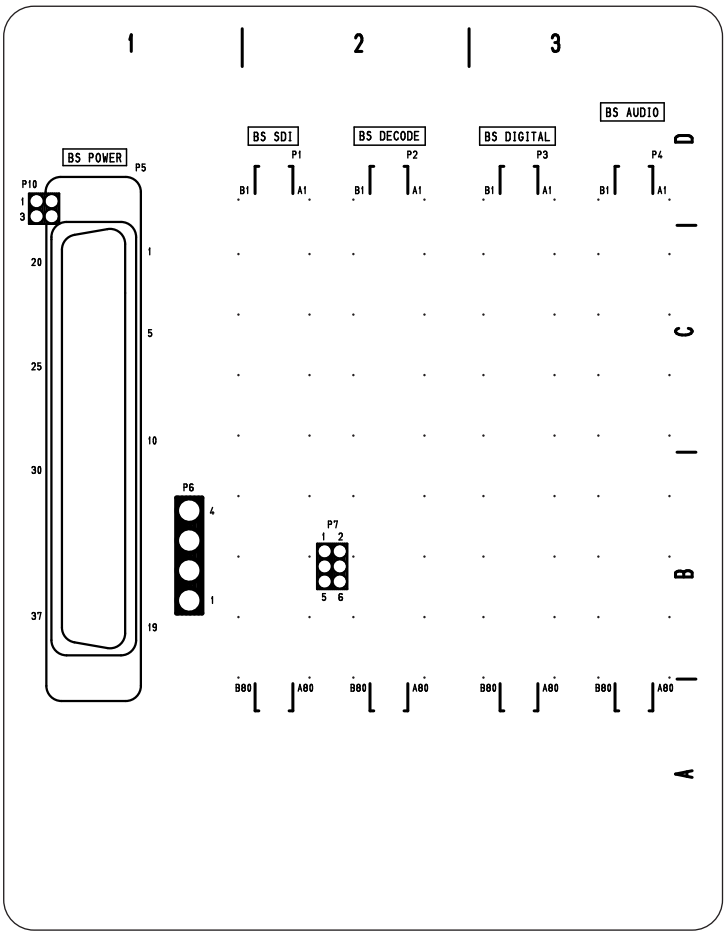
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(COMPONENT SIDE)

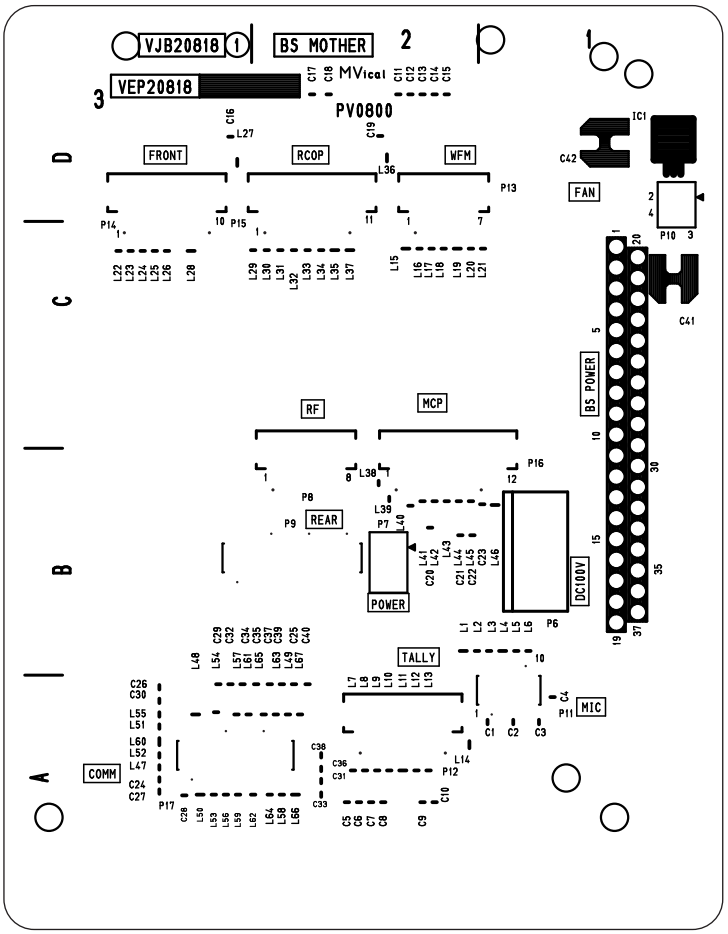
BS MOTHER C.B.A (VEP20818)

REF	LOC
P1	C2
P2	C2
P3	C3
P4	C3
P5	C1



(COMPONENT SIDE)

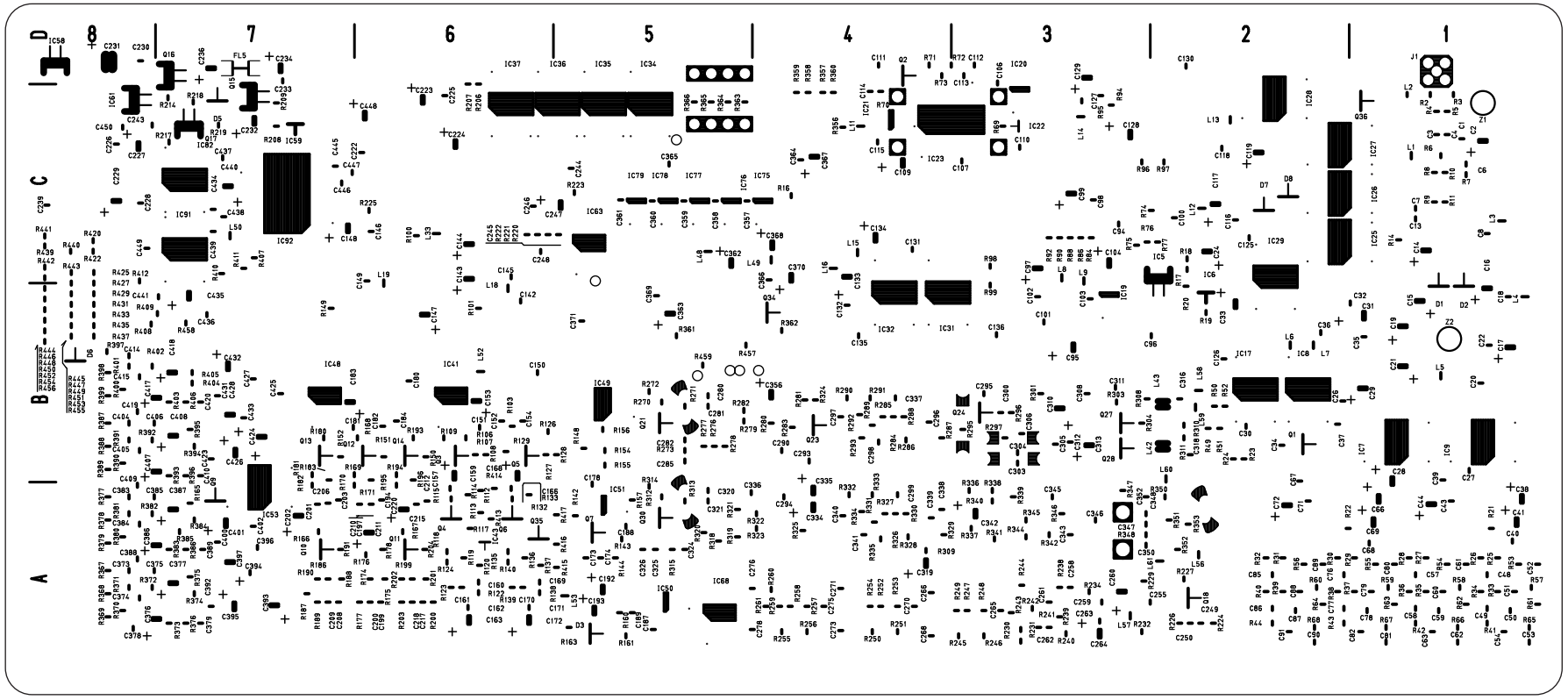
REF	LOC
IC1	D1
P6	B1
P7	B2
P8	B2
P9	B2
P10	D1
P11	A1
P12	A2
P13	D2
P14	D3
P15	D2
P16	B2
P17	A3



(FOIL SIDE)

BS DIGITAL C.B.A (VEP23518)

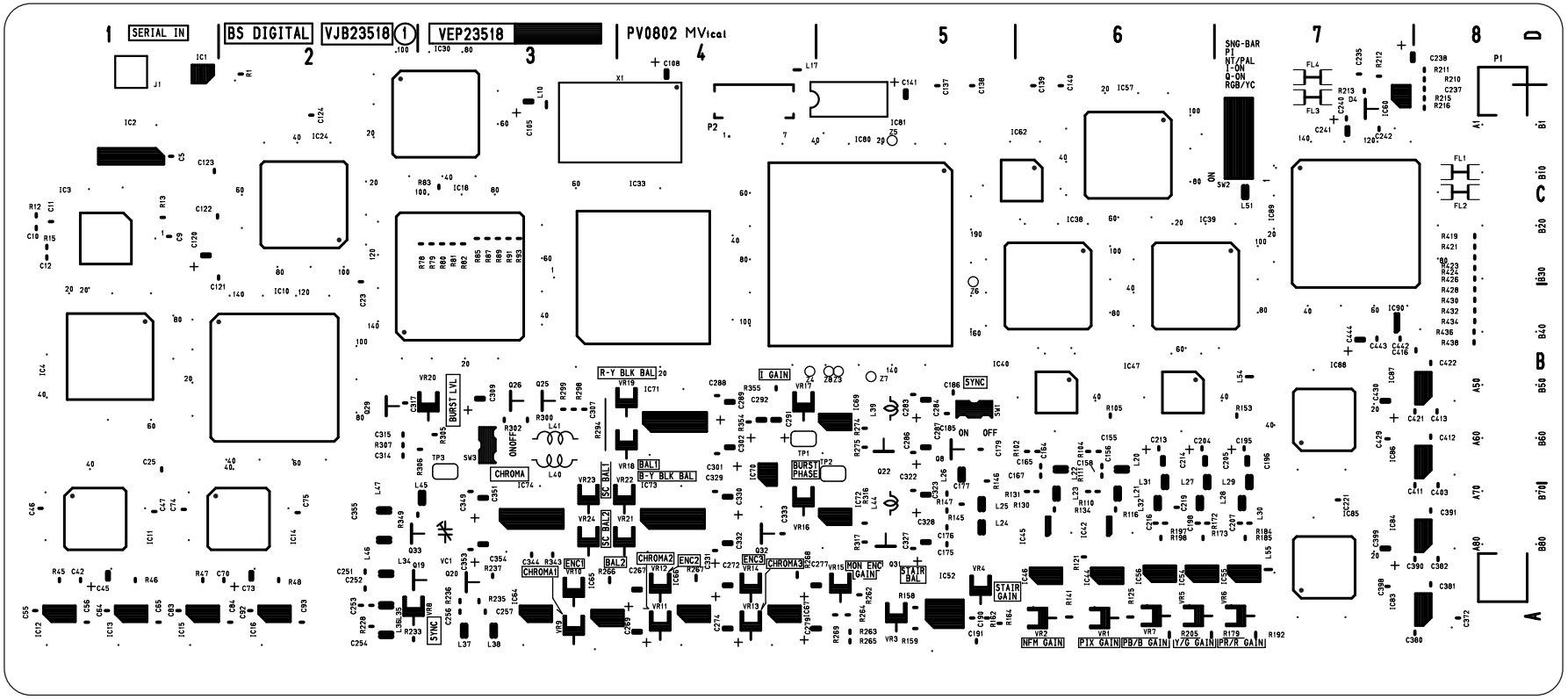
REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5	2C	IC34	5C	IC77	5C	Q14	6B
IC6	2B	IC35	5C	IC78	5C	Q15	7C
IC7	1B	IC36	5C	IC79	5C	Q16	7D
IC8	2B	IC37	6C	IC82	7C	Q17	7C
IC9	1B	IC41	6B	IC91	7C	Q18	2A
IC17	2B	IC43	6A	IC92	7C	Q21	5B
IC19	3B	IC48	7B	Q1	2B	Q23	4B
IC20	3C	IC49	5B	Q2	4D	Q24	3B
IC21	4C	IC50	5A	Q3	6B	Q27	3B
IC22	3C	IC51	5A	Q4	6A	Q28	3B
IC23	4C	IC53	7A	Q5	6B	Q30	5A
IC25	2C	IC58	8D	Q6	6A	Q34	4B
IC26	2C	IC59	7C	Q7	5A	Q35	6A
IC27	2C	IC61	8C	Q9	7A	Q36	1C
IC28	2C	IC63	5C	Q10	7A		
IC29	2C	IC68	5A	Q11	6A		
IC31	4B	IC75	4C	Q12	6B		
IC32	4B	IC76	5C	Q13	7B		



(FOIL SIDE)

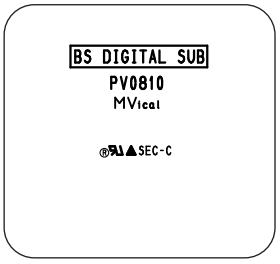
BS DIGITAL C.B.A (VEP23518)

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	1D	IC44	5A	IC73	3A	Q26	2B	VR8	2A
IC2	1C	IC45	5A	IC74	2A	Q29	2B	VR9	2A
IC3	1C	IC46	5A	IC80	4C	Q31	4A	VR10	2A
IC4	1B	IC47	5B	IC81	4C	Q32	3A	VR11	3A
IC10	2B	IC52	4A	IC83	7A	Q33	2A	VR12	3A
IC11	1A	IC54	5A	IC84	7A	SW1	4B	VR13	3A
IC12	1A	IC55	6A	IC85	6A	SW2	6C	VR14	3A
IC13	1A	IC56	5A	IC86	7B	SW3	2B	VR15	4A
IC14	2A	IC57	5C	IC87	7B	TP1	3B	VR16	3A
IC15	1A	IC60	6C	IC88	6B	TP2	4B	VR17	3B
IC16	2A	IC62	5C	IC89	6C	TP3	2B	VR18	3B
IC18	2C	IC64	2A	IC90	6B	VC1	2A	VR19	3B
IC24	2C	IC65	2A	P1	7B	VR1	5A	VR20	2B
IC30	2C	IC66	3A	P2	3C	VR2	5A	VR21	3A
IC33	3C	IC67	3A	Q8	4B	VR3	4A	VR22	3A
IC38	5B	IC69	4B	Q19	2A	VR4	4A	VR23	2A
IC39	5B	IC70	3B	Q20	2A	VR5	5A	VR24	2A
IC40	5B	IC71	3B	Q22	4B	VR6	6A		
IC42	5A	IC72	4A	Q25	2B	VR7	5A		

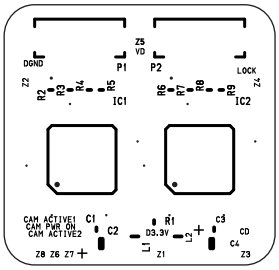


(COMPONENT SIDE)

BS DIGITAL SUB C.B.A (VEP20885)

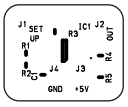


(FOIL SIDE)



(COMPONENT SIDE)

SETUP SUB C.B.A (VEP23533)

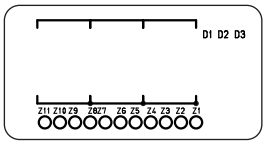


(FOIL SIDE)

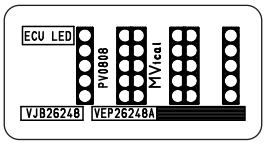


(COMPONENT SIDE)

ECU LED C.B.A (VEP26248)

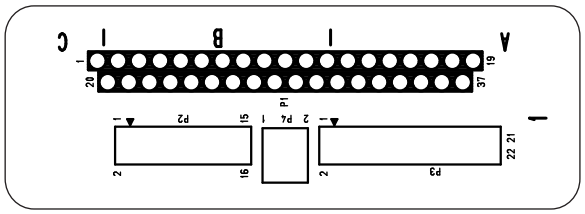


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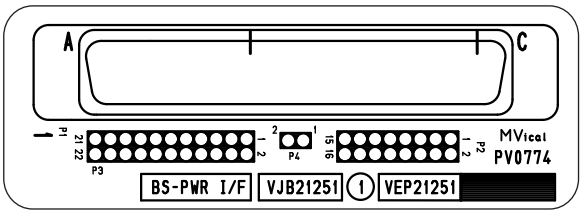


(COMPONENT SIDE)

BS PWR I/F C.B.A (VEP21251)



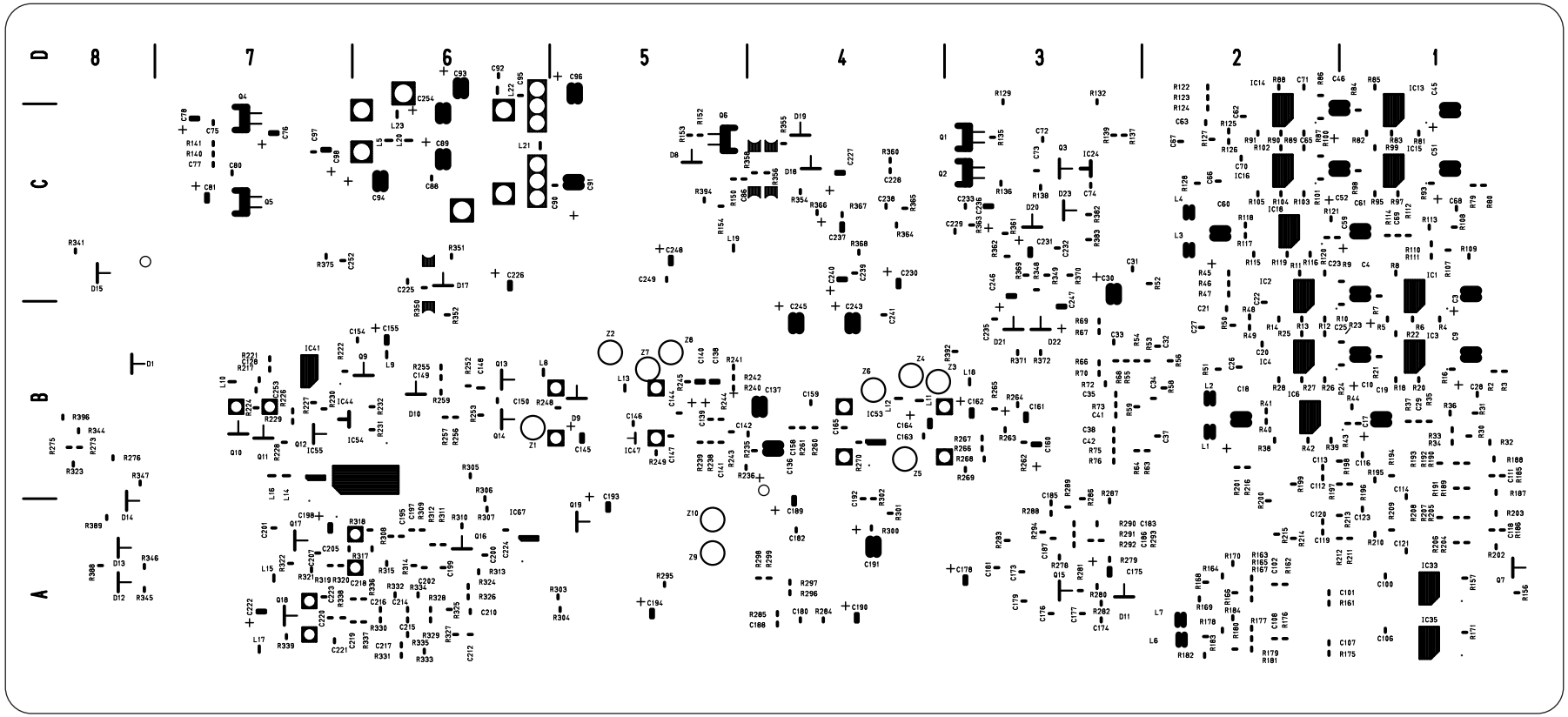
(FOIL SIDE)



(COMPONENT SIDE)

BS AUDIO C.B.A (VEP24166)

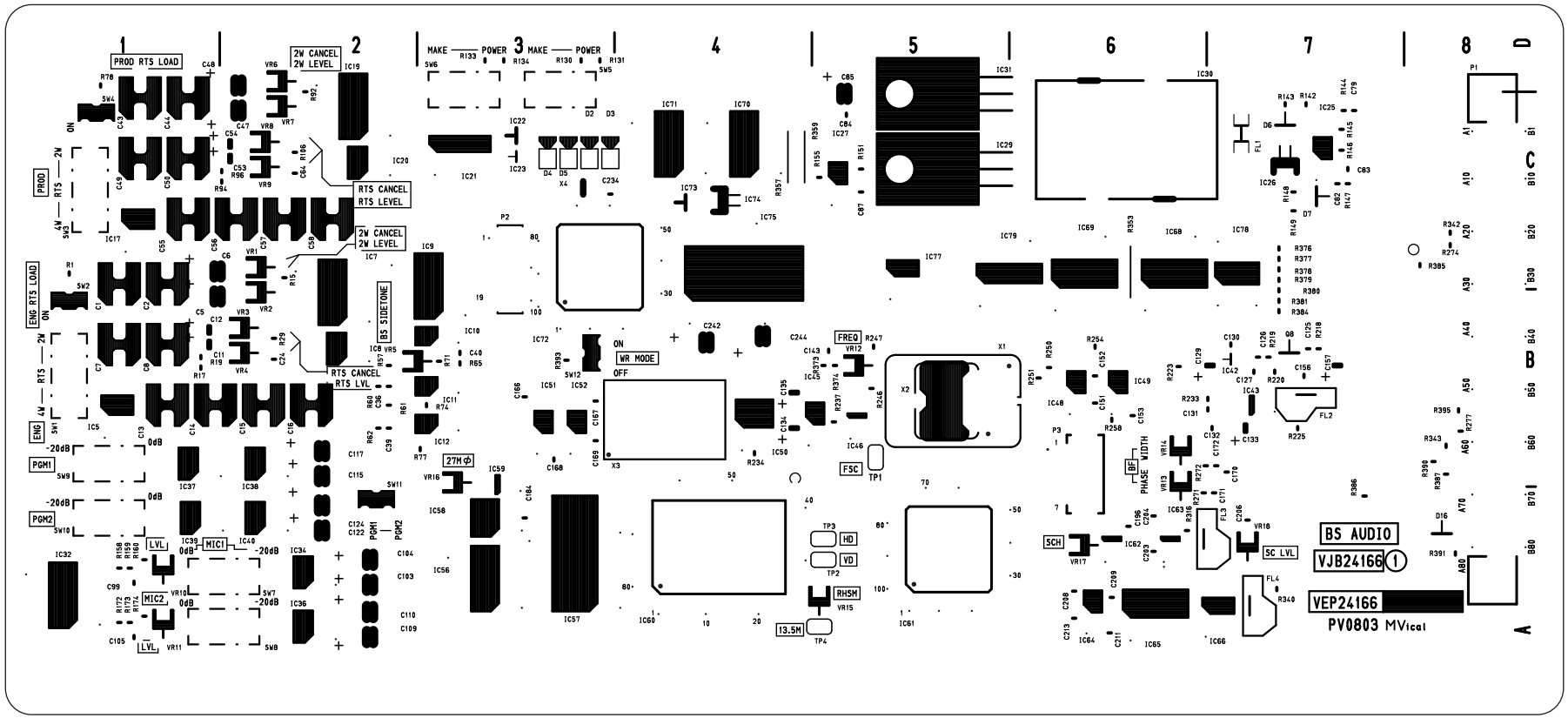
REF	LOC	REF	LOC	REF	LOC
IC1	C1	IC41	B7	Q7	A1
IC2	C2	IC44	B7	Q9	B6
IC3	B1	IC47	B5	Q10	B7
IC4	B2	IC53	B4	Q11	B7
IC6	B2	IC54	B6	Q12	B7
IC13	C1	IC55	B7	Q13	B6
IC14	C2	IC67	A6	Q14	B6
IC15	C1	Q1	C3	Q15	A3
IC16	C2	Q2	C3	Q16	A6
IC18	C2	Q3	C3	Q17	A7
IC24	C3	Q4	C7	Q18	A7
IC33	A1	Q5	C7	Q19	A5
IC35	A1	Q6	C5		



(FOIL SIDE)

BS AUDIO C.B.A (VEP24166)

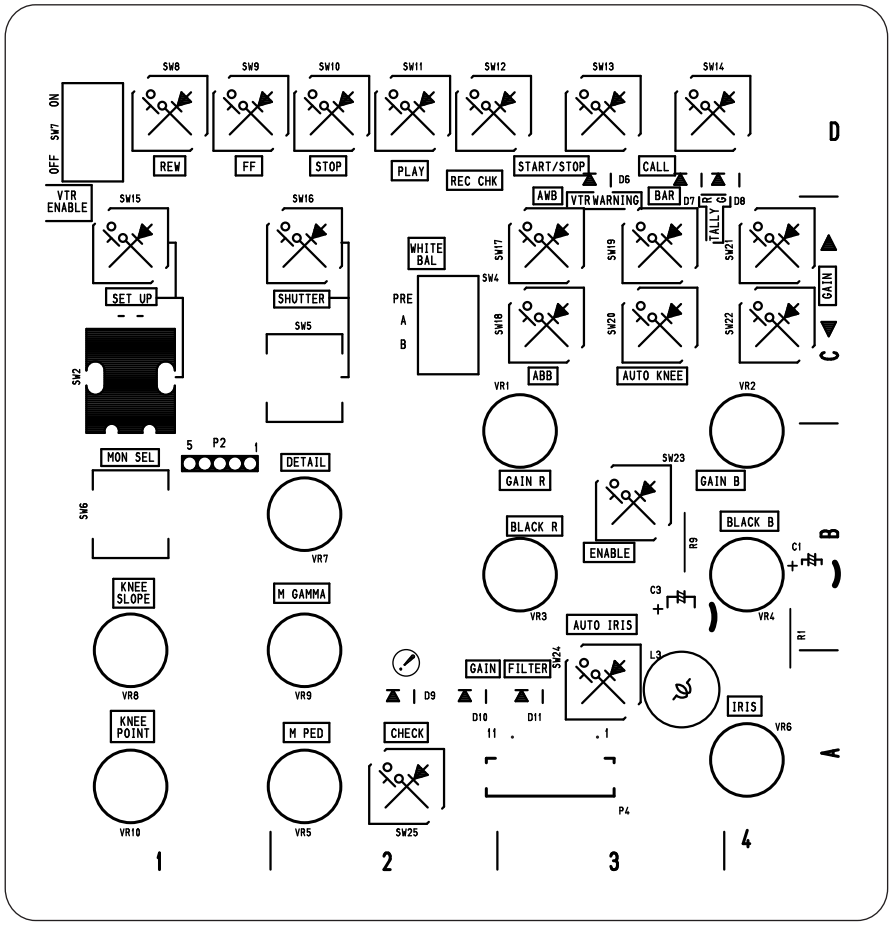
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5	B1	IC26	C7	IC45	B5	IC63	A6	IC79	C6	SW10	A1	VR8	C2
IC7	B2	IC27	C5	IC46	B5	IC64	A6	P1	B8	SW11	A2	VR9	C2
IC8	B2	IC29	C6	IC48	B6	IC65	A6	P2	C3	SW12	B3	VR10	A1
IC9	C3	IC30	C6	IC49	B6	IC66	A7	P3	B6	TP1	B5	VR11	A1
IC10	B3	IC31	C6	IC50	B4	IC68	C6	Q8	B7	TP2	A5	VR12	B5
IC11	B3	IC32	A1	IC51	B3	IC69	C6	SW1	B1	TP3	A5	VR13	B6
IC12	B3	IC34	A2	IC52	B3	IC70	C4	SW2	B1	TP4	A5	VR14	B6
IC17	C1	IC36	A2	IC56	A3	IC71	C4	SW3	C1	VR1	C2	VR15	A5
IC19	C2	IC37	B1	IC57	A3	IC72	C3	SW4	C1	VR2	B2	VR16	B3
IC20	C2	IC38	B2	IC58	A3	IC73	C4	SW5	D3	VR3	B2	VR17	A6
IC21	C3	IC39	A1	IC59	B3	IC74	C4	SW6	D3	VR4	B2	VR18	A7
IC22	C3	IC40	A2	IC60	A4	IC75	C4	SW7	A2	VR5	B3		
IC23	C3	IC42	B7	IC61	A5	IC77	C5	SW8	A2	VR6	D2		
IC25	C7	IC43	B7	IC62	A6	IC78	C7	SW9	B1	VR7	C2		



(COMPONENT SIDE)

BS FRONT C.B.A (VEP20819)

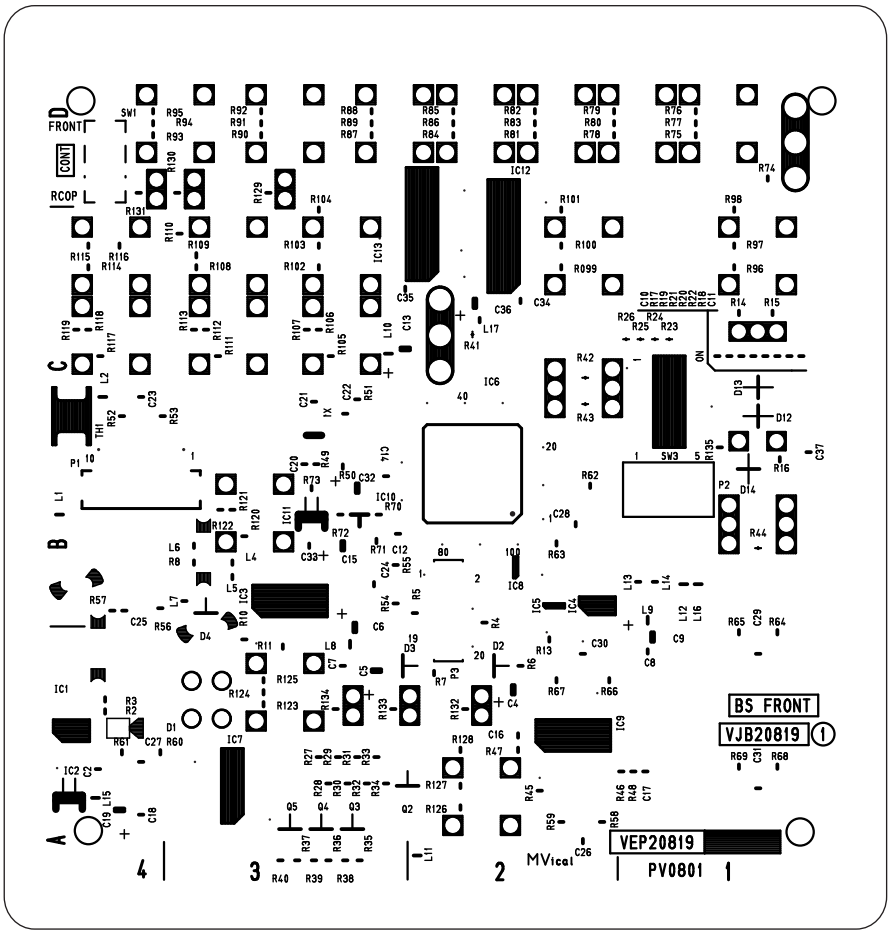
REF	LOC	REF	LOC	REF	LOC	REF	LOC
P4	A3	SW11	D2	SW20	C3	VR4	B4
SW2	C1	SW12	D2	SW21	C4	VR5	A2
SW4	C2	SW13	D3	SW22	C4	VR6	A4
SW5	C1	SW14	D3	SW23	B3	VR7	B2
SW6	B1	SW15	C1	SW24	B3	VR8	B1
SW7	D1	SW16	C1	SW25	A2	VR9	B2
SW8	D1	SW17	C3	VR1	C3	VR10	A1
SW9	D1	SW18	C3	VR2	B3		
SW10	D2	SW19	C3	VR3	B3		



(COMPONENT SIDE)

BS FRONT C.B.A (VEP20819)

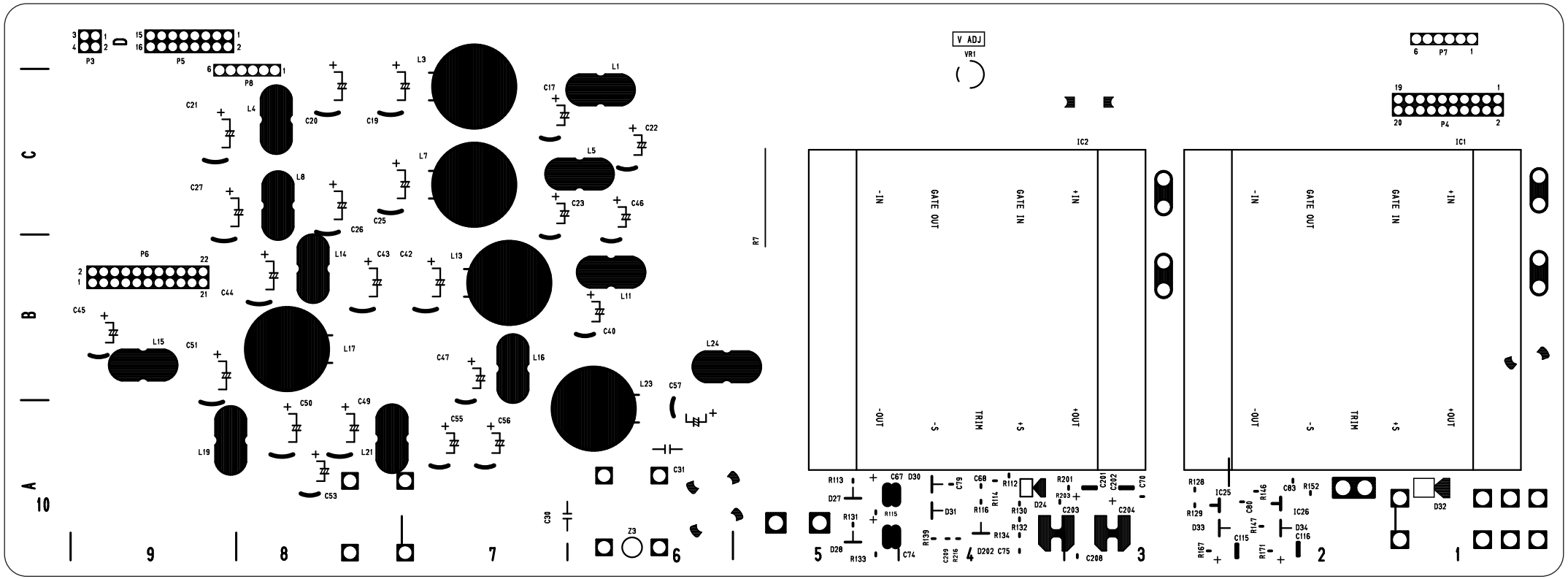
REF	LOC	REF	LOC	REF	LOC
IC1	A4	IC9	A2	Q2	A2
IC2	A4	IC10	B3	Q3	A3
IC3	B3	IC11	B3	Q4	A3
IC4	B2	IC12	C2	Q5	A3
IC5	B2	IC13	C2	SW1	D4
IC6	B2	P1	B4	SW3	B1
IC7	A3	P2	B1		
IC8	B2	P3	B2		



(FOIL SIDE)

BS POWER C.B.A (VEP21248)

REF	LOC
IC1	C1
IC2	C3
IC25	A3
IC26	A2
VR1	D4



(FOIL SIDE)

BS POWER C.B.A (VEP21248)

JAPAN ONLY

⚠ 警 告

感電注意

ＡＣ100Vの加わっている活電部（充電部、活電部）に直接触れないでください。

☞感電ややけどの可能性があります。

① ⚠警 告 ⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

② [ ] 内は充電部です。ＡＣ100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意下さい。

③ 部品交換時には、電源プラグをぬいてから行なってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

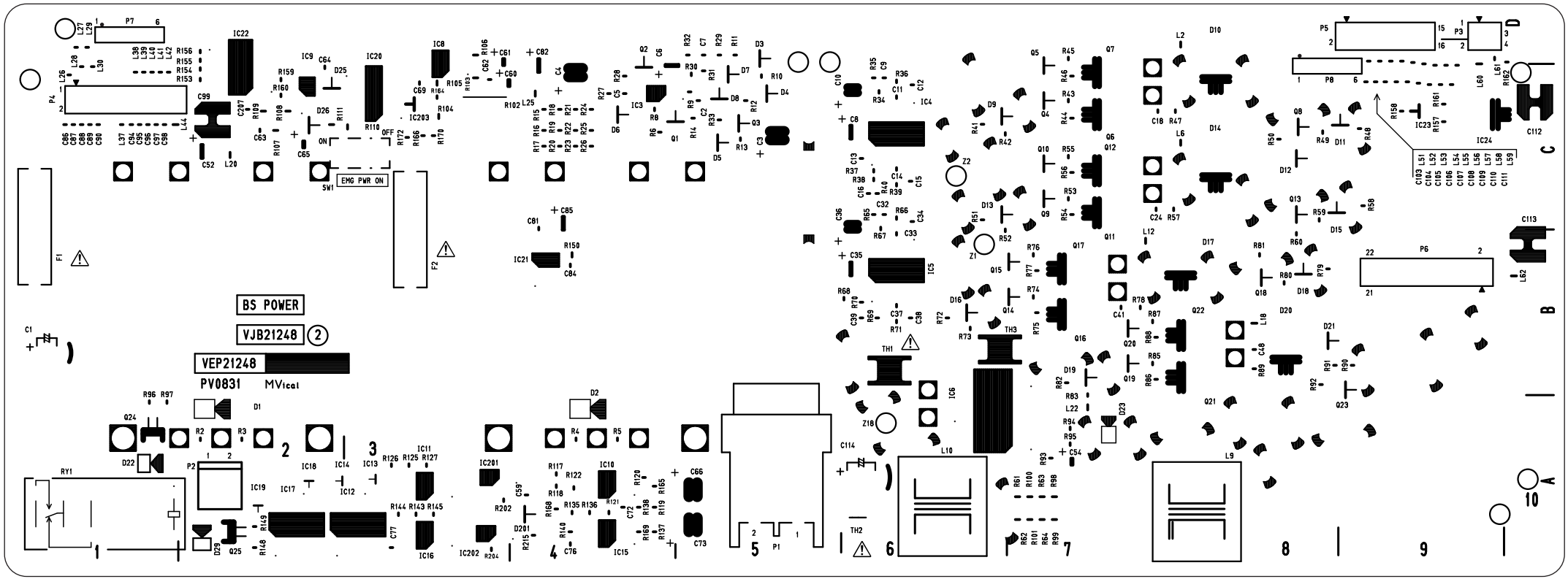
CAUTION

THE [ ] MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

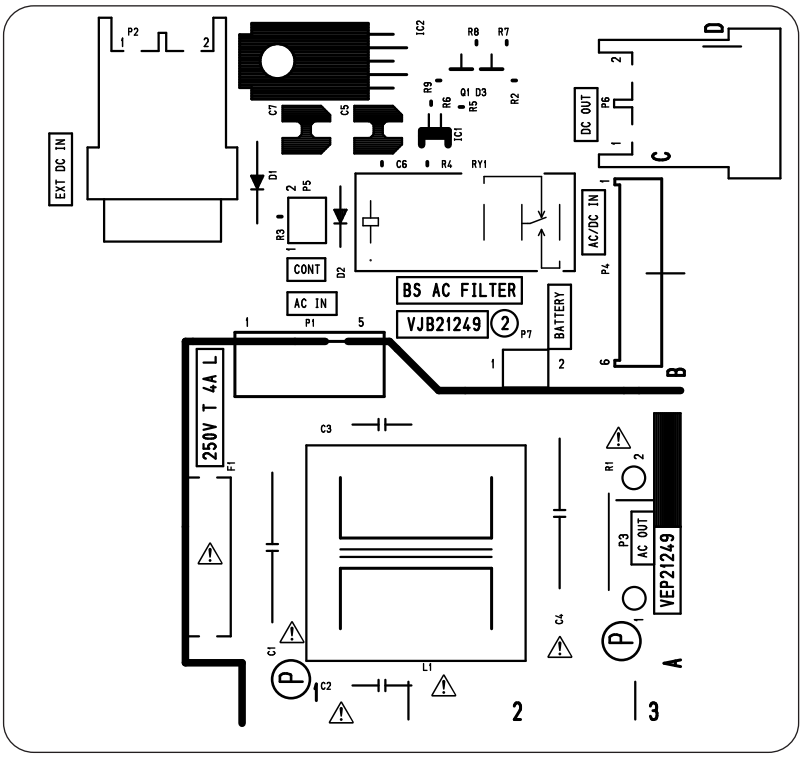
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3	C4	IC17	A2	P3	D9	Q8	C8	Q21	B8
IC4	C6	IC18	A2	P4	C1	Q9	C7	Q22	B8
IC5	B6	IC19	A2	P5	D9	Q10	C7	Q23	B9
IC6	A6	IC20	C3	P6	B9	Q11	C7	Q24	A1
IC8	D3	IC21	B4	P7	D1	Q12	C7	Q25	A2
IC9	C2	IC22	C2	P8	C8	Q13	C8	SW1	C3
IC10	A4	IC23	C9	Q1	C5	Q14	B7		
IC11	A3	IC24	C9	Q2	C4	Q15	B7		
IC12	A3	IC201	A3	Q3	C5	Q16	B7		
IC13	A3	IC202	A3	Q4	C7	Q17	B7		
IC14	A2	IC203	C3	Q5	C7	Q18	B8		
IC15	A4	P1	A5	Q6	C7	Q19	B7		
IC16	A3	P2	A2	Q7	C7	Q20	B7		



(COMPONENT SIDE)

BS AC FILTER C.B.A (VEP21249)

REF	LOC
IC1	A2
IC2	A2
P1	A1
P5	A1
P6	A3
P7	A2
Q1	A2



(FOIL SIDE)

JAPAN ONLY

⚠ 警 告

感電注意

ＡＣ100Vの加わっている活電部（充電部、活電部）に直接触れないでください。

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① ⚠警 告 ⚠印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。

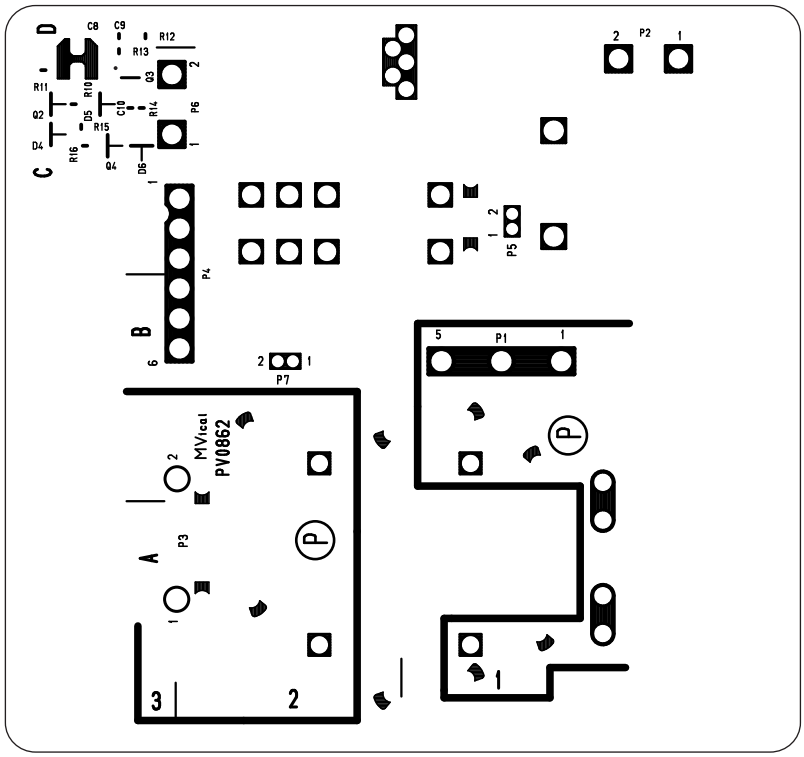
② □ 内は充電部です。ＡＣ100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意下さい。

③ 部品交換時には、電源プラグをぬいてから行なってください。

④ 一次側（充電部）の電圧・波形は、一次側アースを基準に測定してください。

⑤ 部品品番は、部品価格表で確認の上交換ください。

REF	LOC
Q2	A3
Q3	A3
Q4	A3



(COMPONENT SIDE)

CAUTION

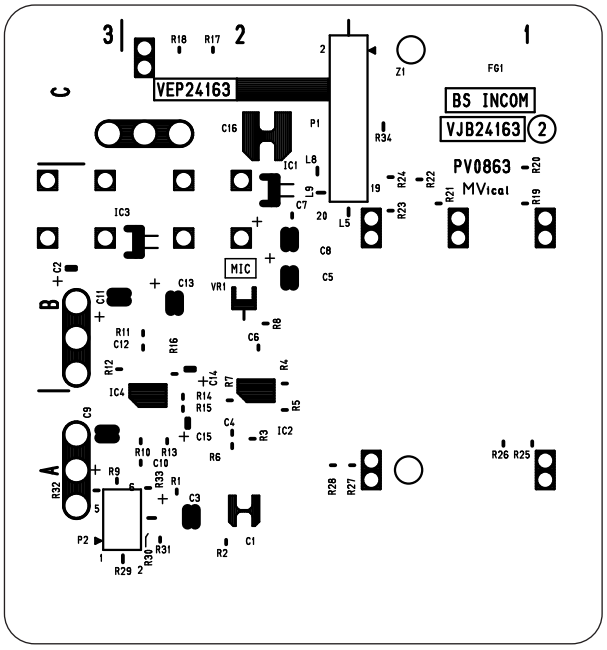
THE □ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

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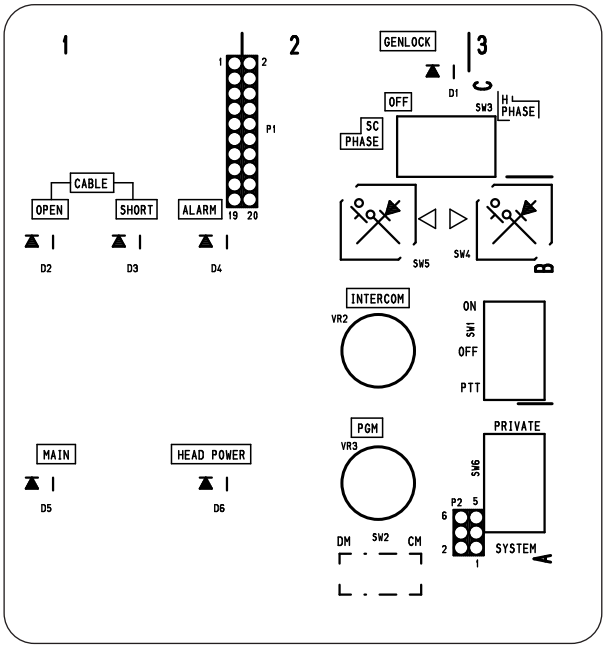
BS INCOM C.B.A (VEP24163)

REF	LOC
IC1	B2
IC2	A2
IC3	B2
IC4	A2
P1	C1
P2	A3
VR1	B2



(FOIL SIDE)

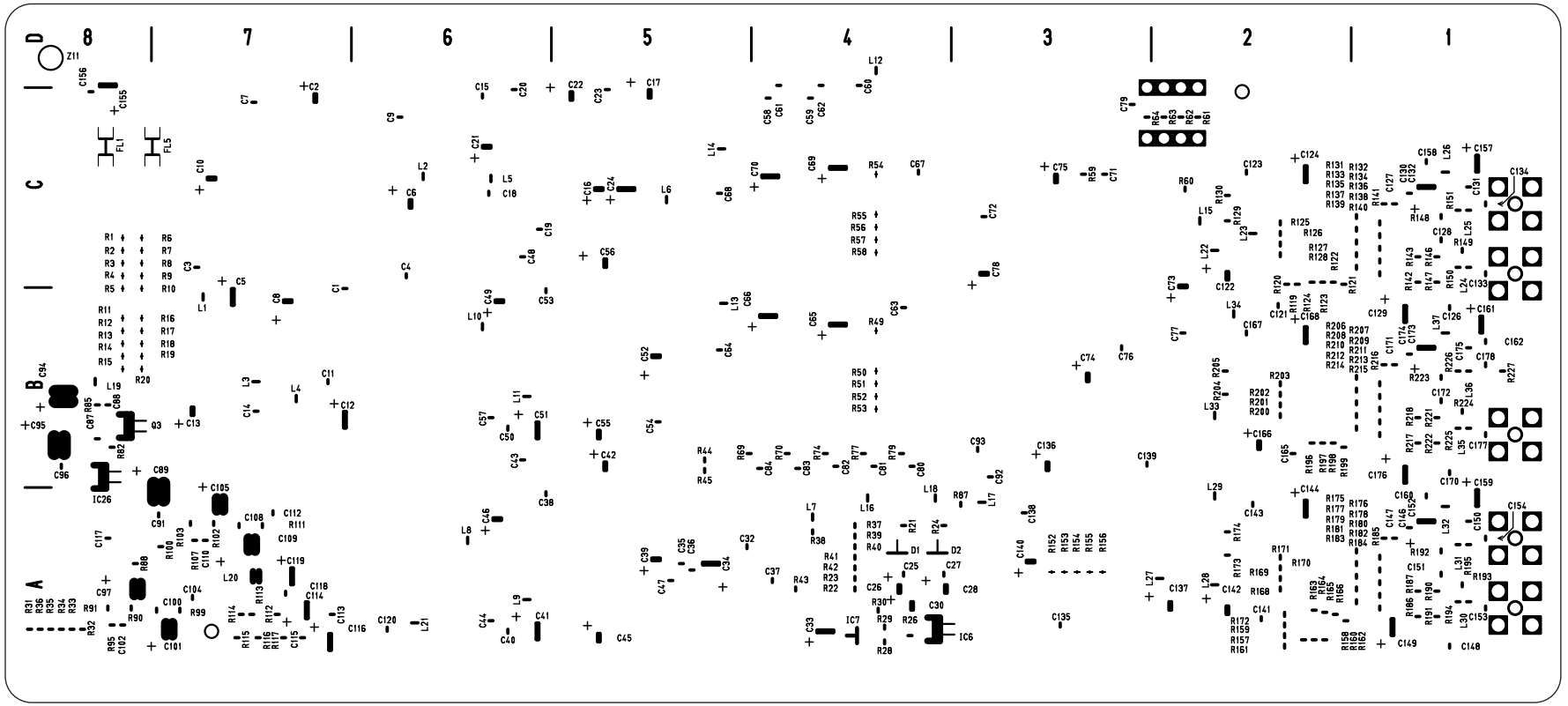
REF	LOC
SW1	B3
SW2	A2
SW3	C2
SW4	B3
SW5	B2
SW6	A3
VR2	B2
VR3	A2



(COMPONENT SIDE)

BS SDI C.B.A (VEP23517)

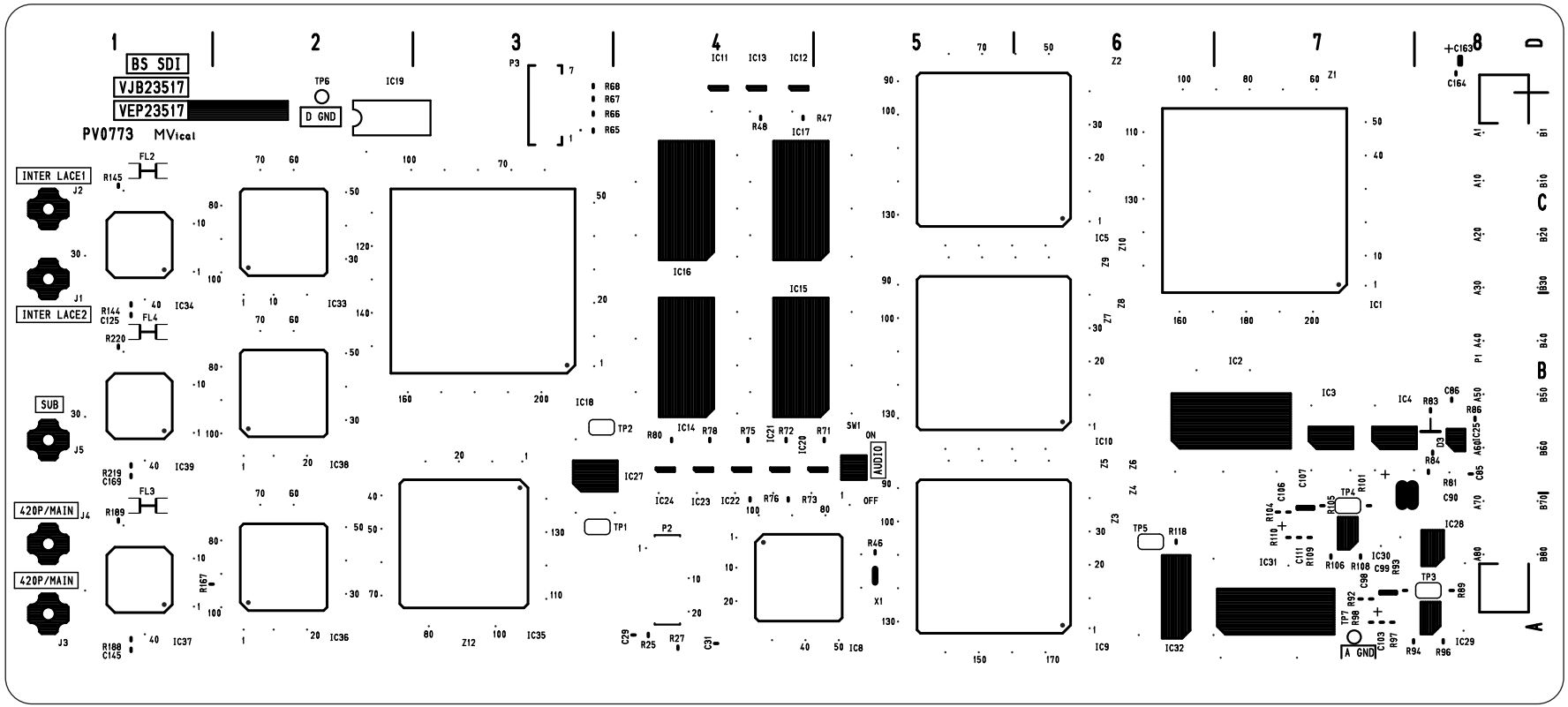
REF	LOC
IC6	A4
IC7	A4
IC26	B8
Q3	B8



(FOIL SIDE)

BS SDI C.B.A (VEP23517)

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	C7	IC16	C4	IC30	A7	SW1	B5
IC2	B7	IC17	C4	IC31	A7	TP1	A3
IC3	B7	IC18	C3	IC32	A6	TP2	B3
IC4	B7	IC19	C2	IC33	C2	TP3	A8
IC5	C5	IC20	B5	IC34	C1	TP4	A7
IC8	A4	IC21	B4	IC35	A3	TP5	A6
IC9	A5	IC22	B4	IC36	A2	TP6	C2
IC10	B5	IC23	B4	IC37	A1	TP7	A7
IC11	D4	IC24	B4	IC38	B2		
IC12	D4	IC25	B8	IC39	B1		
IC13	D4	IC27	B3	P1	B8		
IC14	B4	IC28	A8	P2	A4		
IC15	B4	IC29	A8	P3	C3		



(COMPONENT SIDE)

SECTION 8

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the diacontinuation of this assembly in production, it will no longer be available.

CONTENTS

SERVICING FIXTURES & TOOLS
MECHANICAL CHASSIS ASSEMBLY (AJ-CA900HP/EN)..... PRT-1
MECHANICAL CHASSIS ASSEMBLY (AJ-BS900HP/EN)..... PRT-3
POWER SUPPLY ASSEMBLY (AJ-BS900HP/EN) PRT-4
MECHANICAL CHASSIS ASSEMBLY (AJ-YA600P) PRT-6
PACKING PARTS ASSEMBLY PRT-8
ELECTRICAL REPLACEMNT PARTS LIST (AJ-CA900HP/EN) PRT-10
ELECTRICAL REPLACEMNT PARTS LIST (AJ-BS900HP/EN) PRT-16
ELECTRICAL REPLACEMNT PARTS LIST (AJ-RP900P/EN)..... PRT-31
ELECTRICAL REPLACEMNT PARTS LIST (AJ-YA901P/EN)..... PRT-33
ELECTRICAL REPLACEMNT PARTS LIST (AJ-YA600P)..... PRT-35

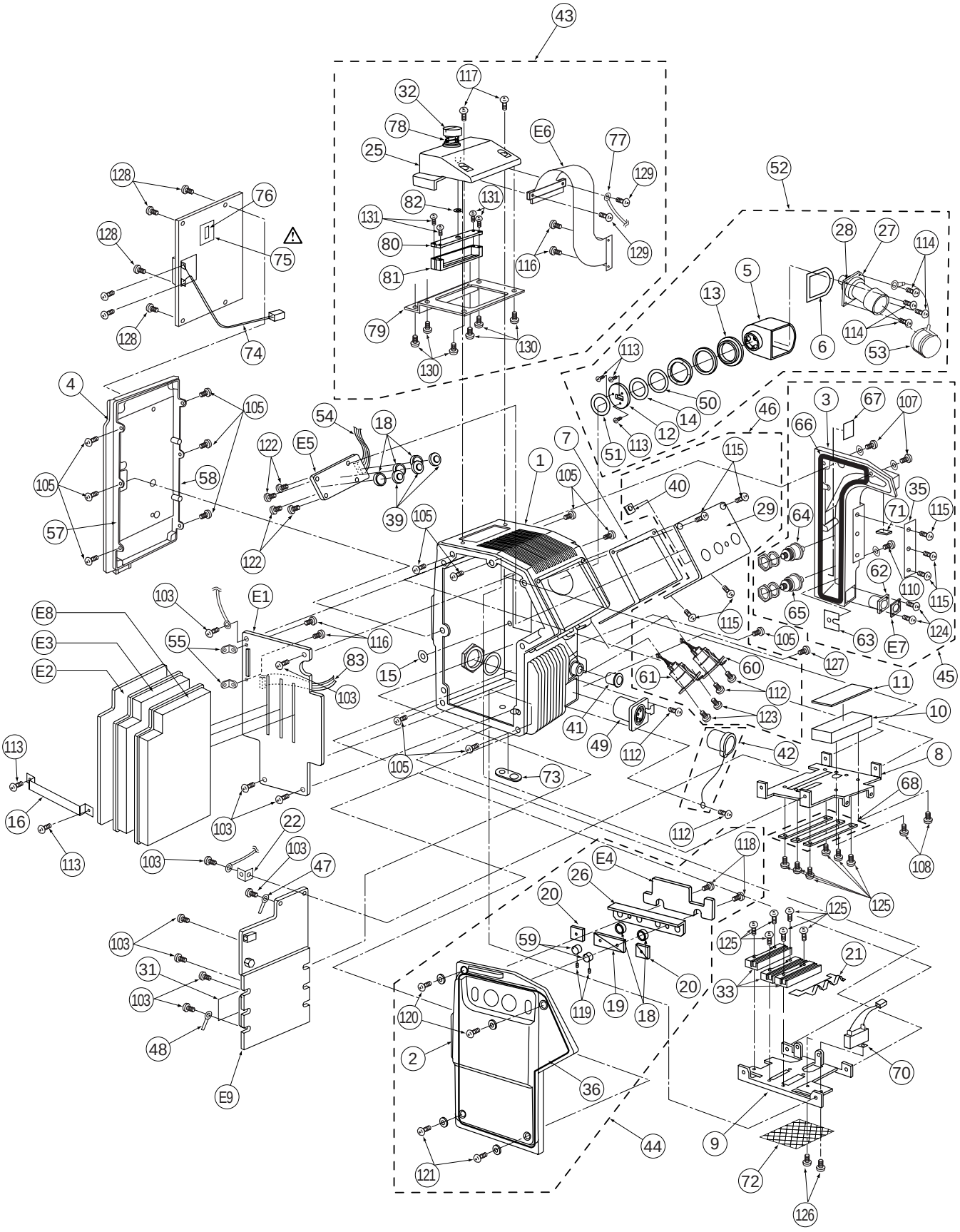
SERVICING FIXTURES & TOOLS

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1194	EXTENSION BOARD	1	For AJ-CA900HP/EN
2	VFK1671	EXTENSION BOARD	1	For AJ-BS900HP/EN
3	VFK1703	EXTENSION CABLE	1	For AJ-BS900HP/EN
4	VFK1590	PLD VERSION UPGRADE TOOL	1	
5	VFK1590P2H	CPLD WRITER CABLE	1	For AJ-BS900HP/EN,YA901P/EN
6	VFK1590P2K	CPLD WRITER CABLE	1	For AJ-CA900HP/EN

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (AJ-CA900HP/EN)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

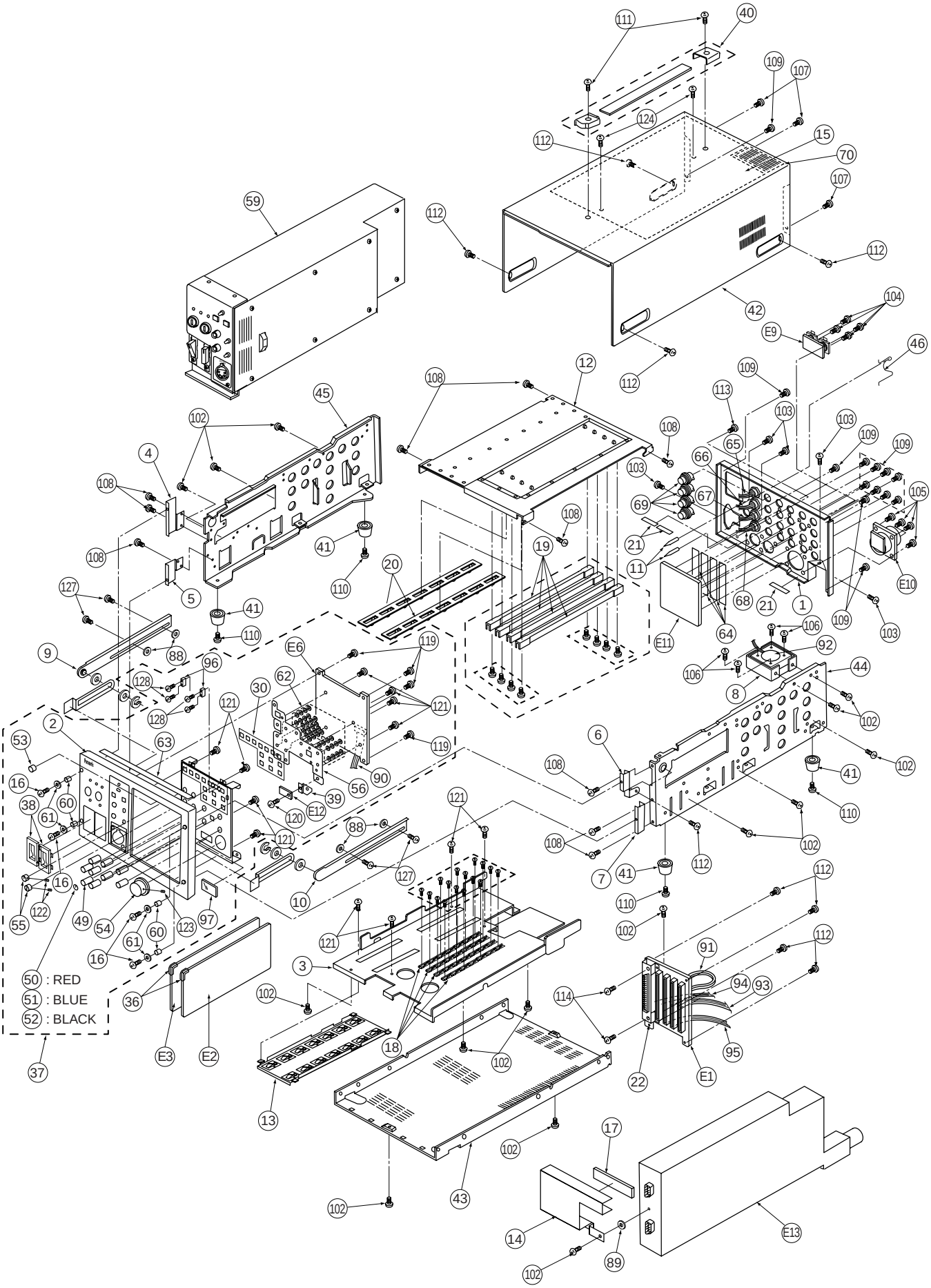


MECHANICAL CHASSIS ASSEMBLY (AJ-CA900HP/EN)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

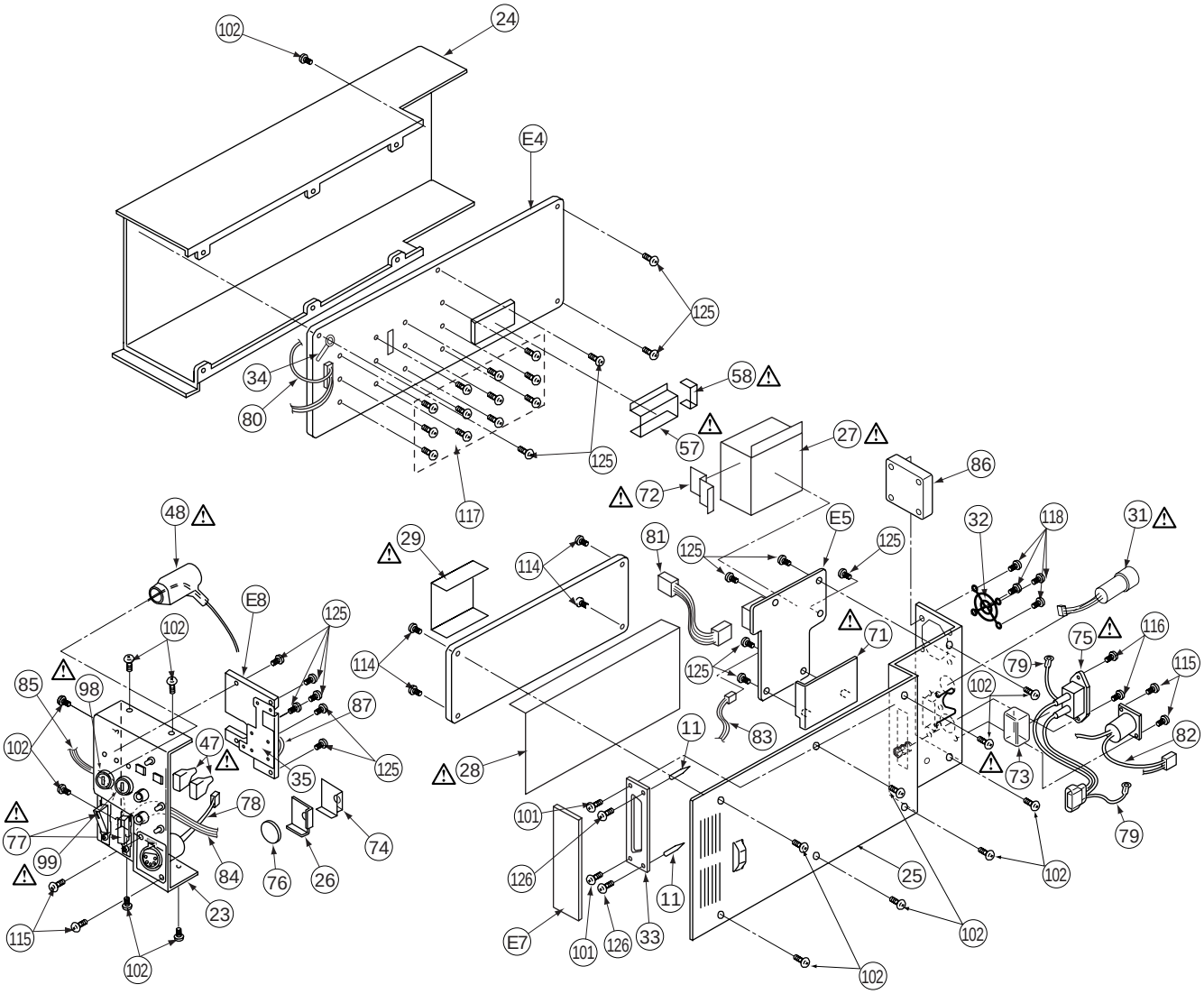
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VKM5475	MAIN FRAME	1	
2	VKF3371	SIDE PANEL (L)	1	
3	VKF3372	SIDE PANEL (R)	1	
4	VGQ5903	PLATE	1	
5	VKF3277	CONNECTOR COVER	1	
6	VMT1229	SHIELD SHEET	1	
7	VSC5312	SHIELD SHEET FOR PANEL	1	
8	VMP6937	P.C.BOARD GUIDE (UPPER)	1	
9	VMP6938	P.C.BOARD GUIDE (LOWER)	1	
10	VMD4316	BLOCK (1)	1	
11	VSC5313	THERMAL CONDUCTIVE 2	1	
12	VMD4309	LOCK PLATE 2	1	
13	VMD4310	WASHER (SMALL)	1	
14	VMD4311	TEFLON WASHER	1	
15	VMD4312	TEFLON WASHER (LARGE)	1	
16	VMA0L85	P.C.BOARD HOLDER	1	
18	VMX3113	COLLAR	5	
19	VMG1426	WATERPROOF RUBBER	1	
20	VMT1230	WATERPROOF SHEET	2	
21	VMB3582	EARTH SPRING (2)	1	
22	VMD4527	TERMINAL ANGLE	1	
25	VKF3278	HOUSING	1	
26	VMA0M77	INCOM BRACKET	1	
27	VMP6940	CN PLATE (K)	1	FOR AJ-CA900HP
27	VMP6941	CN PLATE (F)	1	FOR AJ-CA900HEN
28	VSC5275	LUG TERMINAL	1	FOR AJ-CA900HP
29	VMP6838	REAR PANEL A	1	
31	VMZ3177	CAM, FIL BARRIER (C)	1	
32	VMS7032	SCREW	1	
33	VGQ4137	P.C.BOARD GUIDE RAIL	3	
35	VMG1099	PROTECT RUBBER	1	
36	VMG0832	SHIELD TUBE	1	
39	VGU7081	OPERATION BUTTON	3	
40	VGL0512	LED PANEL LIGHT	1	
41	VEE0S50	CAP	1	
42	VGF0459	XLR CAP	1	K1YD04000002 FOR DC OUT
43	VYK0D28	CAM I/F ASS'Y	1	
44	VYK0D26	SIDE CASE (R) ASS'Y	1	
45	VYK0D31	SIDE CASE (L) ASS'Y	1	
46	VEJ2017	JACK ASS'Y	1	
47	VJF1443	CLAMPER	1	
48	SHR330	CLAMPER	1	
49	VEE0S46	EXT DC OUT CABLE	1	
50	VMD4313	WASHER (MIDDLE)	1	
51	VSC5314	INSULATION SHEET (1)	1	
52	VYK0D29	CONNECTOR CASE ASS'Y	1	FOR AJ-CA900HP
52	VYK0E13	CONNECTOR CASE ASS'Y	1	FOR AJ-CA900HEN
53	VEE0S06	CABLE ASS'Y	1	FOR AJ-CA900HP
53	VEE0S07	CABLE ASS'Y	1	FOR AJ-CA900HEN
54	VEE0S51	CABLE	1	
55	VMP6942	L ANGLE	2	
57	VHN0349	PLATE NUT (L)	1	
58	VHN0350	PLATE NUT (R)	1	
59	VXU0977	VR KNOB	2	
60	VEE0S55	CABLE	1	
61	VEE0S53	CABLE	1	
62	VMX3171	DC IN SPACER	1	
63	VMZ3238	CABLE PROTECT SHEET	1	
64	VEE0S49	CABLE	1	
65	VEE0S48	CABLE	1	
66	VMG0832	SHIELD TUBE	1	
67	VSC5311	INSULATION SHEET	1	
68	VJF1455	GUIDE RAIL	1	
70	VEE0S45	CABLE	1	
71	VMG1425	CUSHION	1	
72	VMW0214	MESH SHEET	1	
73	VMG1270	E.E CAP	1	
74	VEE0S47	CABLE	1	
⚠ 75	VGQ1712	AHP BASE	1	
76	VJF1158	CLAMPER	1	
77	VEE0N63	GND CABLE	1	
78	VMB3560	SPRING	1	
79	VMA0M76	HOUSING PLATE	1	
80	VMD4317	CONNECTOR PLATE	1	
81	VMD4529	CONNECTOR HOLDER	1	
82	XUC25VM	E-RING	1	
83	VEE0S54	CABLE	1	
103	XYN3+K8	SCREW	10	
105	XYN3+C8	SCREW	13	
107	XSN3+8FZ	SCREW	2	
108	XSB3+5	SCREW	2	
110	XSN3+35FZ	SCREW	1	
112	XSN25+6FC	SCREW	4	
113	XYNV3+K12S	SCREW	5	
114	XSN3+6FZ	SCREW	4	
115	XSB3+6FZ	SCREW	7	
116	XYN3+K6RS	SCREW	4	
117	XSB4+14FCK	SCREW	2	
118	XYN3+C6	SCREW	2	
119	XXEV2W3FP	HEX SCREW	2	
120	VHD1515	SCREW	2	
121	VHD1517	SCREW	2	
122	XYN3+K6	SCREW	4	
123	XSN26+6FCK	SCREW	2	
124	XSN25+10FC	SCREW	2	
125	XYN2+J8	SCREW	12	
126	XSB3+6	SCREW	2	
127	XSB3+8FZ	SCREW	1	
128	XSS3+8FZ	SCREW	4	
129	XYN2+F10	SCREW	2	
130	XSS25+5	SCREW	6	
131	XSS2+6	SCREW	4	
E1	VEP20816A	CAM MOTHER P.C.BOARD	1	
E2	VEP23516A	CAM DIGITAL P.C.BOARD	1	FOR AJ-CA900HP
E2	VEP23516B	CAM DIGITAL P.C.BOARD	1	FOR AJ-CA900HEN
E3	VEP21250A	CAM POWER P.C.BOARD	1	
E4	VEP24165A	CAM INCOM P.C.BOARD	1	
E5	VEP20817A	CAM RET P.C.BOARD	1	
E6	VEP20837A	CAM IF P.C.BOARD	1	
E7	VEP20835A	CAM DC IN P.C.BOARD	1	
E8	VEP27216A	CAM RF ASS'Y	1	
E9	VEP20834A	CAM FIL ASS'Y	1	

MECHANICAL CHASSIS ASSEMBLY (AJ-BS900HP/EN)



POWER SUPPLY ASSEMBLY (AJ-BS900HP/EN)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



MECHANICAL CHASSIS ASSEMBLY (AJ-BS900HP/EN)

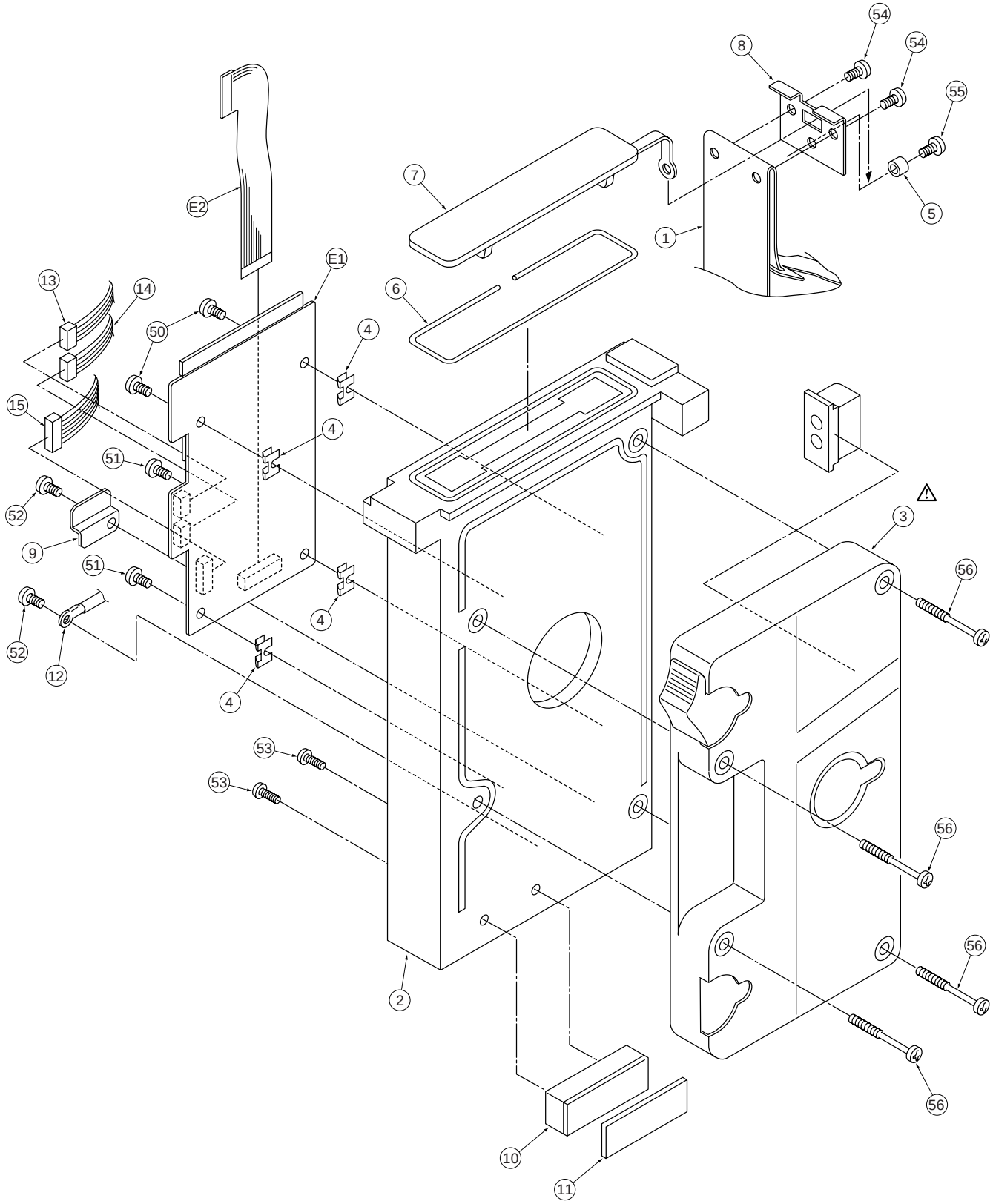
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VGM1807	REAR PANEL	1	
2	VGM1805	FRONT COVER	1	
3	VMK0539	MAIN FRAME	1	
4	VMA0L73	FL BRACKET A	1	
5	VMA0L74	FL BRACKET B	1	
6	VMA0L75	FR BRACKET A	1	
7	VMA0L76	FR BRACKET B	1	
8	VMA0L77	FAN BRACKET	1	
9	VMD4511	RAIL (L)	1	
10	VMD4512	RAIL (R)	1	
11	VMS7030	LOCATE PIN	4	
12	VMA0L78	UPPER GUIDE ASS'Y	1	
13	VMA0L81	LOWER GUIDE	1	
14	VMA0M48	P.C.BOARD HOLDER PLATE	1	
15	VMP7074	TOP PANEL ANGLE	1	
16	VMD4532	SCREW	4	
17	VMG1399	HOLDER RUBBER	1	
18	VJF1448	CARD RETAINER	4	
19	VGQ6310	GUIDE RAIL	4	
20	VMB3558	SLIDE FINGER	2	
21	VMC1760	SHIELD FINGER	3	
22	VMP6932	D-SUB BRACKET A	1	
23	VYP8260	POWER BOX FRONT PANEL	1	
24	VGP5592	POWER BOX CASE	1	
25	VGP5593	POWER BOX COVER	1	
26	VMD4510	INCOM SHIELD	1	
⚠ 27	VMZ3105	AC FIL BARRIER (1)	1	
⚠ 28	VMZ3103	POWER BARRIER (A)	1	
⚠ 29	VMZ3104	POWER BARRIER (B)	1	
30	VMT1262	BLIND PAD	1	
⚠ 31	VJF1446	FUSE PIPE	1	
32	VGF0527	FAN GUARD	1	
33	VMP6933	D-SUB PLATE B	1	
34	VMD4528	COATING CLIP	1	
35	VMA0M49	SWITCH ANGLE A	1	
36	VML3560	CARD PULLER	2	
37	VYP8348	FRONT PANEL ASS'Y	1	
38	VGQ1263	POWER SWITCH	2	
39	VMA0M46	ECU, LED HOLDER ANGLE	1	
40	VYH0257	HANDLE	1	
41	VKA0117	PLASTIC FOOT	4	
42	VGM1739	TOP PANEL	1	
43	VKU0572	BOTTOM PLATE	1	
44	VMP7205	SIDE FRAME R	1	
45	VMP6540	SIDE FRAME L	1	
46	VML2903	AC CORD HOOK	1	
⚠ 47	VMZ0580	SW COVER	2	
⚠ 48	VMZ2139	FUSE HOLDER COVER	3	
49	VGU4891	VR KNOB	9	
50	VGK2025	VR CAP (RED)	2	FOR VGU4891
51	VGK2026	VR CAP (BLUE)	2	FOR VGU4891
52	VGK2024	KNOB CAP	5	FOR VGU4891
53	VGU5285	VR KNOB	1	
54	VXU0979	RED KNOB ASS'Y	1	
55	VXU0976	SHUTTER KNOB ASS'Y	2	
56	VMP6930	SWITCH HOLDER ANGLE B	1	
⚠ 57	VMZ3109	POWER SUB BARRIER A	1	
⚠ 58	VJZ3178	POWER SUB BARRIER B	1	
59	VEK9450	POWER SUPPLY ASS'Y	1	FOR AJ-BS900HP
59	VEK9451	POWER SUPPLY ASS'Y	1	FOR AJ-BS900HEN
60	VMX3137	COLLAR	4	
61	XWGV3Y6G	WASHER	4	
62	XWE6	WASHER	36	
63	VMT0943	GASKET	1	
64	VSC5274	EARTH PLATE	4	
65	VEE0556	CABLE	1	
66	VEE0557	CABLE	1	
67	VEE0558	CABLE	1	
68	VEE0559	CABLE	1	
69	VJS3462	CONNECTOR (FEMALE)	4	K1SMBDBA0002
70	VGQ6499	DUSTPROOF MESH	1	
⚠ 71	VMZ3102	AC FIL INSULATION PLATE	1	
⚠ 72	VMZ3170	AC FIL BARRIER (2)	1	
⚠ 73	VMZ1252	AC INLET COVER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
74	VGF0908	INSULATION SHEET	1	
⚠ 75	VJP0083	AC INLET	1	
76	VJS3290	CONNECTOR (FEMALE)	1	K1AB105H0003
⚠ 77	EST15147V-AL	POWER SW	2	
78	VEE0M67	CABLE	1	
79	VEE0M68	CABLE	2	
80	VEE0M69	CABLE	1	
81	VEE0M70	CABLE	1	
82	VEE0M71	CABLE	1	
83	VEE0M73	CABLE	1	
84	VEE0M80	CABLE	1	
85	VEE0N59	CABLE	1	
86	L6FAHCBH0004	MKR	1	
87	VJF1443	CLAMPER	1	
88	XWE3D8	WASHER	4	
89	VMX1558	NYLON WASHER	1	
90	VEE0566	CABLE	1	
91	VEE0S62	CABLE	1	
92	VEE0563	CABLE	1	
93	VWJ1542	CABLE	1	
94	VWJ10E5118L0	CABLE	1	
95	VWJ24E5128L0	CABLE	1	
96	VGK2768	SWITCH GUARD	2	
97	VKW2946	ACRYLIC PANEL	1	
⚠ 98	VJF1286	FUSE HOLDER	1	
⚠ 99	VJF1287	FUSE HOLDER	1	
101	VHD5013	SCREW	2	
102	XSB3+6	SCREW	30	
103	XSB25+6FZ	SCREW	5	
104	XSN26+6FZ	SCREW	4	
105	XSN3+6	SCREW	4	
106	XYN3+F20	SCREW	4	
107	XSB3+6FZ	SCREW	3	
108	XTB3+6J	SCREW	10	
109	XTB3+6JFZ	SCREW	13	
110	XTB3+8J	SCREW	4	
111	XSS4+12FZ	SCREW	2	
112	XSB4+6FZ	SCREW	9	
113	XYE4+EF6	SCREW	1	
114	XYN3+F6	SCREW	6	
115	XSN25+6	SCREW	4	
116	XSN3+10FZ	SCREW	2	
117	XYN3+F8	SCREW	12	
118	XSB3+18FZ	SCREW	4	
119	XSB3+5	SCREW	4	
120	XYN3+B6	SCREW	1	
121	XYN3+K6	SCREW	12	
122	XXEV2W3FP	HEX SCREW	2	
123	XXEV2W4FP	SCREW	1	
124	XSB26+6FZ	SCREW	2	
125	XYN3+K6	SCREW	15	
126	XYN25+C6	SCREW	2	
127	VHD0052	SCREW	4	
128	XQN17+BJ4FZ	SCREW	4	
E1	VEP20818A	BS MOTHER P.C.BOARD	1	
E2	VEP23518A	BS DIGITAL P.C.BOARD	1	FOR AJ-BS900HP
E2	VEP23518B	BS DIGITAL P.C.BOARD	1	FOR AJ-BS900HEN
E3	VEP24166A	BS AUDIO P.C.BOARD	1	FOR AJ-BS900HP
E3	VEP24166B	BS AUDIO P.C.BOARD	1	FOR AJ-BS900HEN
E4	VEP21248A	BS POWER P.C.BOARD	1	
E5	VEP21249A	BS AC FILTER P.C.BOARD	1	
E6	VEP20819A	BS FRONT P.C.BOARD	1	
E7	VEP21251A	BS POWER IF P.C.BOARD	1	
E8	VEP24163A	BS ICOM P.C.BOARD	1	
E9	VEP20840B	BS AUDIO CN P.C.BOARD	1	
E10	VEP20833A	BS COMM P.C.BOARD	1	
E11	VEP20832A	BS REAR P.C.BOARD	1	
E12	VEP26248A	BS ECU LED P.C.BOARD	1	
E13	VEP27214A	BS RF ASS'Y	1	

MECHANICAL CHASSIS ASSEMBLY (AJ-YA600P)

Components identified with the mark ⚠ have the special characteristics for safety.
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MECHANICAL CHASSIS ASSEMBLY (AJ-YA600P)

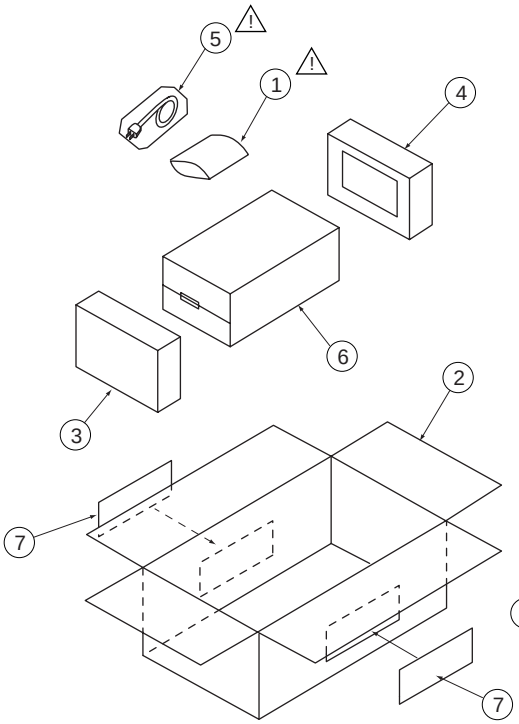
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When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFC3569	CODE CLAMPER BELT	1	
2	VGQ5904	SPACER	1	
⚠ 3	VJF1347	BATTERY HOLDER	1	
4	VMB3583	EARTH SPRING (1)	4	
5	VMX3214	SPACER	1	
6	VMG1402	SHIELD RUBBER (2)	1	
7	VMG1420	WATERPROOF CAP	1	
8	VMP6669	CLAMPER FIX PLATE	1	
9	VMP7075	CONNECTOR HOLDER PLATE	1	
10	VMD4315	BLOCK (2)	1	
11	VMT1280	GASKET	1	
12	VEE0N63	GND CABLE	1	
13	VEE0S70	CAM MIC CABLE	1	
14	VEE0S71	CAM GL CABLE	1	
15	VEE0S72	CAM VIDEO CABLE	1	
50	VHD0052	SCREW	2	
51	VHD0325	SCREW	2	
52	XYN3+C6	SCREW	2	
53	XYN3+C8	SCREW	2	
54	XYN3+C8FZS	SCREW	2	
55	XSB3+5FZ	SCREW	1	
56	VHD1493	SCREW	4	
E1	VEP20836A	CAM SPACER P.C.BOARD	1	
E2	VEP20838A	CAM FLEX P.C.BOARD	1	

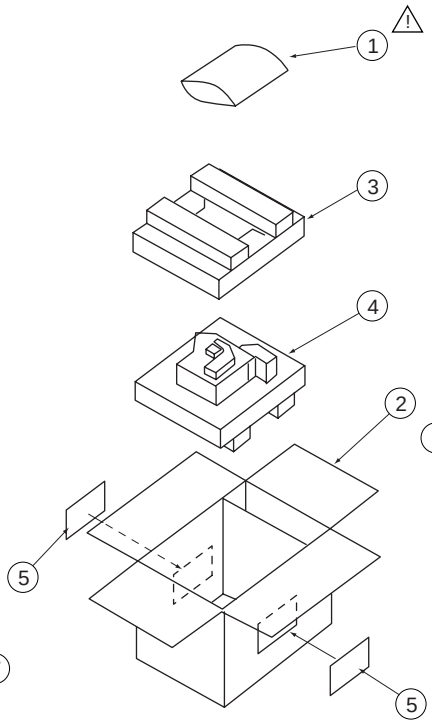
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

PACKING PARTS ASSEMBLY

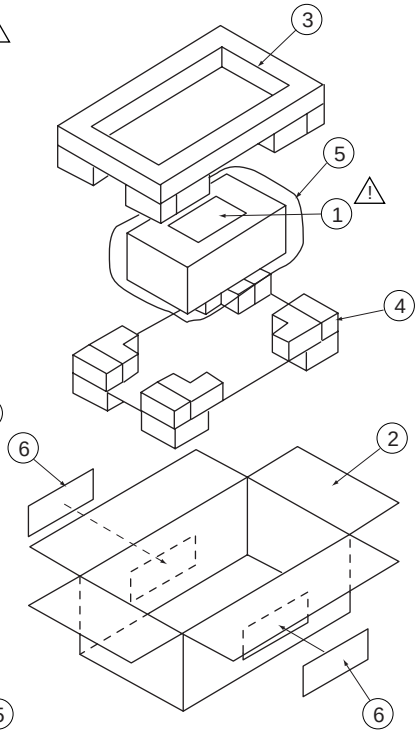
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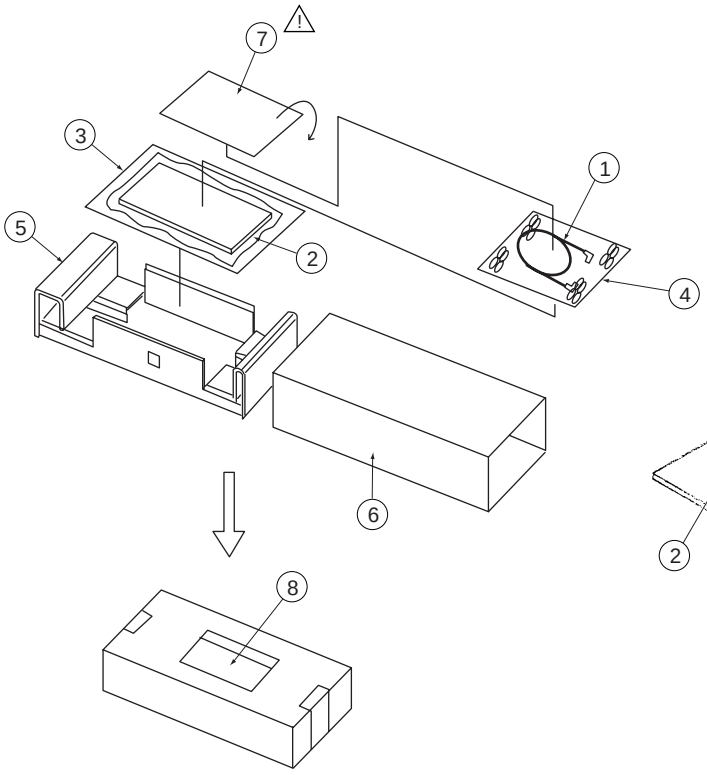
AJ-BS900HP/EN



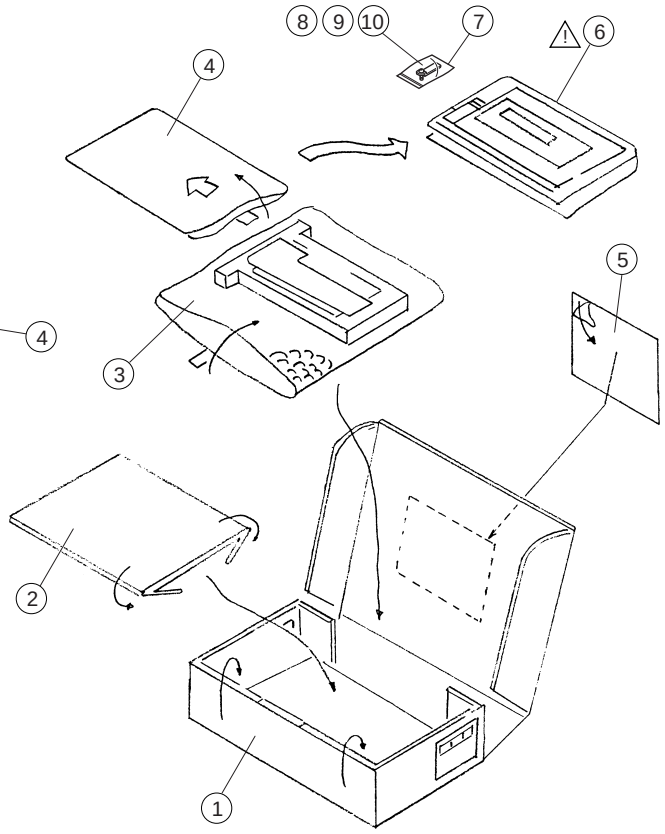
AJ-CA900HP/EN



AJ-RP900P/EN



AJ-YA901P/EN



AJ-YA600P

PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		AJ-BS900HP/EN		
⚠ 1	VQT9685	OPERATING INSTRUCTIONS	1	FOR AJ-BS900HP
⚠ 1	VQT9686	OPERATING INSTRUCTIONS	1	FOR AJ-BS900HEN
2	VPG9169	PACKING CASE	1	
3	VPN5583	CUSHION F	1	
4	VPN5584	CUSHION R	1	
⚠ 5	VJA0775	POWER CODE	1	K2CG3CH00001
6	VPF0677	POLYETHYLENE BAG	1	
7	VQL9821	PACKING CASE	2	
		AJ-CA900HP/EN		
⚠ 1	VQT9632	OPERATING INSTRUCTIONS	1	FOR AJ-CA900HP
⚠ 1	VQT9683	OPERATING INSTRUCTIONS	1	FOR AJ-CA900HEN
2	VPG0L03	PACKING CASE	1	
3	VPN5645	CUSHION (UPPER)	1	
4	VPN5646	CUSHION (LOWER)	1	
5	VQL9822	PACKING LABEL	2	
		AJ-RP900P/EN		
⚠ 1	VQT8891	OPERATING INSTRUCTIONS	1	
2	VPG0M72	PACKING CASE	1	
3	VPN5695	CUSHION (UPPER)	1	
4	VPN5696	CUSHION (BOTTOM)	1	
5	VPF0910	POLYETHYLENE BAG	1	
6	VQL9822	PACKING LABEL	2	
		AJ-YA901P/EN		
1	VEE9651	CABLE (BLACK)	2	K1RZBBB00003
2	VPF0506	CONDUCTIVE BAG	1	
3	VPF0679	AIR BAG	1	
4	VPF0680	AIR BAG	1	
5	VPG0B76	PACKING CASE (PAD)	1	
6	VPG8524	PACKING CASE	1	
⚠ 7	VQT8892	OPERATING INSTRUCTIONS	1	
8	VQL9822	PACKING LABEL	1	
		AJ-YA600P		
1	VPG6296	PACKING CASE	1	
2	VPN5312	PAD	1	
3	VPF0678	AIR CAP BAG	1	
4	VPF0359	POLYETHYLENE BAG	1	
5	VQL9822	PACKING LABEL	1	
⚠ 6	VQT9522	OPERATING INSTRUCTIONS	1	
7	VPF1016	POLYETHYLENE BAG	1	
8	VMA0M75	HOLDER PLATE	1	
9	XYN3+C6	SCREW	1	
10	VMX1558	NYLON WASHER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMNT PARTS LIST (AJ-CA900HP/EN)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20816A	CAM MOTHER P.C.BOARD	1	(RTL)
■ E2	VEP23516A	CAM DIGITAL P.C.BOARD	1	(RTL)FOR AJ-CA900HP
■ E2	VEP23516B	CAM DIGIATL P.C.BOARD	1	(RTL)FOR AJ-CA900HEN
■ E3	VEP21250A	CAM POWER P.C.BOARD	1	(RTL)
■ E4	VEP24165A	CAM ICOM P.C.BOARD	1	(RTL)
■ E5	VEP20817A	CAM RET P.C.BOARD	1	(RTL)
■ E6	VEP20837A	CAM IF P.C.BOARD	1	(RTL)
■ E7	VEP20835A	CAM DCIN P.C.BOARD	1	(RTL)
■ E8	VEP27216A	CAM RF ASS'Y	1	(RTL)
■ E9	VEP20834A	CAM FIL ASS'Y	1	(RTL)
■ E1	VEP20816A	CAM MOTHER P.C.BOARD	1	(RTL)
D1	S3V60	DIODE	1	B0EAKR000020
J1	VEE0S43	CABLE	1	
L6	J0JKC0000009	FILTER	1	
L11	VLP0353	COIL	1	
L12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L13	VLP0353	COIL	1	
L14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L15	VLP0353	COIL	1	
L16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L17-21	VLP0353	COIL	5	
L22	J0JKC0000009	FILTER	1	
L23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L24	VLP0353	COIL	1	
L25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L26	VLP0353	COIL	1	
L27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L28	VLP0353	COIL	1	
L29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L30-34	VLP0353	COIL	5	
L35	J0JKC0000009	FILTER	1	
L36	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L37-40	VLP0353	COIL	4	
L41	J0JKC0000009	FILTER	1	
L42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L43,44	VLP0353	COIL	2	
L45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L46-49	VLP0353	COIL	4	
L50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L51	J0JKC0000009	FILTER	1	
L52	VLP0353	COIL	1	
L53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
P1	VJS4064N070E	CONNECTOR	1	
P2	VJP2824A002	CONNECTOR (MALE)	1	K1KA02A00009
P3-P5	VJS4064N160E	CONNECTOR (FEMALE)	3	K1KAG0A00006
P7	VJP2824B003	CONNECTOR (MALE)	1	K1KA03B00005
P8	VJP2824A002	CONNECTOR (MALE)	1	K1KA02A00009

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P9	VJP2741A004	CONNECTOR (MALE)	1	K1KA04A00236
P10	VJP4395D002	CONNECTOR (MALE)	1	
P11	VJP4395D003	CONNECTOR (MALE)	1	
P12	VJP4395D014	CONNECTOR (MALE)	1	
P13	VJP4395D015	CONNECTOR (MALE)	1	
P14	VJP4395B006	CONNECTOR (MALE)	1	
P15	VJP4395D004	CONNECTOR (MALE)	1	
P16	VJP4395D008	CONNECTOR (MALE)	1	
R1-R4	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
⚠ TH1	D4ZZ00000018	THERMISOTR	1	
■ E2	VEP23516A	CAM DIGITAL P.C.BOARD	1	(RTL)FOR AJ-CA900HP
■ E2	VEP23516B	CAM DIGIATL P.C.BOARD	1	(RTL)FOR AJ-CA900HEN
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C2	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C3	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C6	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C7-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C11	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C12,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C14,15	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C16,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C18	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C20	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C22	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C24	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C25-28	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C29	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C30,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C32,33	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C34,35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C36	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C38,39	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C41	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C42,43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C44	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C46	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C48	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C49-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C53	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C54,55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C56,57	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C58,59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C60,61	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C62-67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C68	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C70	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C71-73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C74	ECUX1H103KBV	C.CAPACITOR CH 50V 0.1U	1	FOR VEP23516A
C75	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C76	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C77	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C78	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	FOR VEP23516B
C79	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	
C80	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C82	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C83-87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C88	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C89,90	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C91	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C92-95	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C96	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C97-99	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C100	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C101	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C102	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C103	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C104	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C105	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C106	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C107	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C108	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C109	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C110	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C111	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C112	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C114	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C115	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C116	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C117	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C119	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C120	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C121	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C122	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C123	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C124	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C125	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C126	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C127	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C128	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C129,30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C131	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C132	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C133	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C134	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C135	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C136	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C137	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C138,39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C140	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C141,42	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C143	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C144	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C145	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C146	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C147	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C148	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C149	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C150	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C151	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C152	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C153	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C154	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C155	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C156	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C157	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C158,59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C160	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C161	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C162	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C163	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C164	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C165	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C166	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C167,68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C169	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C170,71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C172	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C173	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C174	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C175	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C176	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C177	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C178	ECST1AY106	T.CAPACITOR CH 10V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C179,80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C181,82	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C183	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C184	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C185	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C186	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C187,88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C189	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C190,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C192	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C193,94	GHM1525B103K	C.CAPACITOR CH 0.01U	2	
C195	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C196,97	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C198	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C199	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C200	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C201	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C202-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C205	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C206	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C207	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C208	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C209	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C210	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C211-13	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C214	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C215	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C216	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C217	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C218,19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C220-22	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C223	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C224	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C225	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C226	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C227,28	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C257,58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C261,62	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C263,64	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C265	VCEA0JAP470	C.CAPACITOR 6.3V 47P	1	F2D0J4700001
C266	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	FOR VEP23516B
D1,D2	MA3047	DIODE	2	
D3,D4	1SS355TE17	DIODE	2	B0ACCK000005
D5,D6	B0JCML000002	DIODE	2	
IC1-C3	TLCX244FT	IC	3	
IC4	AD818AR	IC	1	
IC5	TL062CPW	IC	1	
IC6	AN8133FHQ	IC	1	
IC7	AD818AR	IC	1	
IC8	TL062CPW	IC	1	
IC9	AN8133FHQ	IC	1	
IC10	AD818AR	IC	1	
IC11	TL062CPW	IC	1	
IC12	AN8133FHQ	IC	1	
IC13	C0JBAA000115	IC	1	
IC14-18	C0JBAF000315	IC	5	
IC19	UPD65943GCY1	IC	1	
IC20-22	TLCX157F	IC	3	
IC23	TC7SH04FU	IC	1	
IC24	C0JBAA000115	IC	1	
IC25,26	TL062CPW	IC	2	
IC27	TC7SH04FU	IC	1	
IC28	NJM431U	IC	1	C0DBEZC00003
IC29	TL062CPW	IC	1	
IC30	C0CBABC00060	IC	1	
IC31	XC62EP3202M	IC	1	
IC32	EPM7064AE441	IC	1	
IC33	UPD65943GCY1	IC	1	
IC34	TLCX244FT	IC	1	
IC35	C0JBAZ000279	IC	1	
IC36	C0JBAA000115	IC	1	
IC37,38	TL062CPW	IC	2	
IC39	MN64672	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC40,41	TL062CPW	IC	2	
IC42	MN64672	IC	1	
IC43	C1AB00001136	IC	1	
IC45	C1AB00000367	IC	1	
IC46	C0JBAA000115	IC	1	
IC47	C1AB00001136	IC	1	
IC48	MN64672	IC	1	
IC49,50	TL062CPW	IC	2	
IC54	TC7SH04FU	IC	1	
IC55	C0EBH0000053	IC	1	
IC56	C0JBAA000076	IC	1	
IP32	VSI3719	IC	1	
J1	VJS3307	CONNECTOR (FEMALE)	1	K1QZB1AB0001
L1-L3	VLP0147	COIL	3	
L4	J0JKC0000009	FILTER	1	
L5-18	VLP0147	COIL	14	
L19	VLQ0163J470	COIL 47UH	1	
L21	VLQ0163J330	COIL 33UH	1	G1C330J00004
L22	VLP0147	COIL	1	
L23,24	ELJRE8N2JF2	COIL	2	
L25,26	VLP0147	COIL	2	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJP4395D007	CONNECTOR (MALE)	1	
Q1-Q3	2SK316-Q	TRANSISTOR	3	
Q4	2SB09560HL	MKR(2SB09560HL)	1	
Q5	2SD1280	TRANSISTOR	1	
Q6	2SB09560HL	MKR(2SB09560HL)	1	
Q7-Q9	UN2215	TRANSISTOR-RESISTOR	3	
Q10	2SA1461Y24	TRANSISTOR	1	
Q11	2SD601A-R	TRANSISTOR	1	
Q13-15	UN2215	TRANSISTOR-RESISTOR	3	
Q16	UN5212	TRANSISTOR-RESISTOR	1	
R1,R2	EXB24V101J	COMBI.R-R 100	2	
R3,R4	EXB24V473J	COMBI.R-R 47K	2	
R5,R6	EXB24V101J	COMBI.R-R 100	2	
R7,R8	EXB24V473J	COMBI.R-R 47K	2	
R9,10	EXB24V101J	COMBI.R-R 100	2	
R11,12	EXB24V473J	COMBI.R-R 47K	2	
R13,14	EXB24V101J	COMBI.R-R 100	2	
R15,16	EXB24V473J	COMBI.R-R 47K	2	
R17,18	EXB24V101J	COMBI.R-R 100	2	
R19,20	EXB24V473J	COMBI.R-R 47K	2	
R21	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R22	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R23	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R25	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R26	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R28	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R29	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R30,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R33	ERJ3GEYJ623	M.RESISTOR CH 1/16W 62K	1	
R34	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R35	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R36	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R38	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R39	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R40	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R41	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R42	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R43	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R45	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R46	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R47	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R48,49	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R51	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R52	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R53	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R55	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R56	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R57	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R58	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R59	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R60	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R62	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R63	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R64	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R65,66	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R67	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R68	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R69	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R70	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R72	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	FOR VEP23516A
R72	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP23516B
R73-75	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R77	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R78	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R80	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R81	ERJ3GEYJ241	M.RESISTOR CH 1/16W 240	1	
R82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R83	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R84	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R85	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R86	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R87	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R88	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R89,90	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R91	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R92	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R93	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R94	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R95	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R96-01	EXB24V101J	COMBI.R-R 100	6	
R102-07	EXB24V473J	COMBI.R-R 47K	6	
R108-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R112,13	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R116	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R120,21	EXB24V473J	COMBI.R-R 47K	2	
R122,23	EXB24V101J	COMBI.R-R 100	2	
R124	EXB24V473J	COMBI.R-R 47K	1	
R125	EXB24V101J	COMBI.R-R 100	1	
R126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R127	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R128	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R129	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R132	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R133	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R134	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R136	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R137	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R138	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R139	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R140-42	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R143-45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R146	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R147	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R148	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R149	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R150	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R151-53	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R154-56	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R157	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R158	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R159	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R160	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R162-64	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R165-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R168	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R169	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R170	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R171	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R172	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R173-75	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	3	
R176-78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R179	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R180-84	EXB24V101J	COMBI.R-R 100	5	
R185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R187	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R188	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R189	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R191	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R192-96	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	5	
R197-01	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	5	
R202	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R203	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R204,05	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R206,07	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	2	
R208,09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R210	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R211-13	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	3	
R214	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R215,16	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	2	
R217,18	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	2	
R219,20	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R221	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R222-24	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	3	
R225	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R249	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R250	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R251	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R252	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R254,55	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R258,59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
SW1	CAS-120B	SWITCH	1	
TP1-P3	EYF6CU	TEST POINT	3	
VR1	VRV0303B500A	V.RESISTOR 50	1	
VR2	VRV0303B502	V.RESISTOR 5K	1	
VR3	VRV0303B500A	V.RESISTOR 50	1	
VR4	VRV0303B502	V.RESISTOR 5K	1	
VR5	VRV0303B500A	V.RESISTOR 50	1	
VR6	VRV0303B502	V.RESISTOR 5K	1	
X1	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
		MISCELLANEOUS		
	VSC5322	HEAT SINK	1	
	VMT1231	THERMAL CONDUCTIVE 1	1	
	XYN2+J6	SCREW	4	
	VMS7033	SPACER	2	
	VMS7112	SPACER	1	
	XYN3+K6	SCREW	1	
■ E3	VEP21250A	CAM POWER P.C.BOARD	1	(RTL)
C1	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C3	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C5	ECST1CX106	T.CAPACITOR CH 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C7	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C9	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C10	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C11	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C12	ECST0JX336	T.CAPACITOR CH6.3V 33U	1	
C13	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C16	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C17	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C18,19	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C20,21	EEUFC1V151	E.CAPACITOR 35V 150P	2	
C22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C23,24	VCEA1AAP221	E.CAPACITOR 10V 220U	2	F2D1A2210001
C25-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C28,29	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C30,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C32,33	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C34-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C38	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C39,40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C41	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C42	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C43	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C44,45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C46	ECST1CY335	T.CAPACITOR CH 16V 3.3U	1	
C47,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C49	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C51	ECST1CC226	T.CAPACITOR CH 16V 22U	1	
C52	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C53,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C55	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C56-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C60,61	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C62,63	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C65	ECST1CC226	T.CAPACITOR CH 16V 22U	1	
C66-70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C72	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C73,74	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C76	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C78	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C79	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C80	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C81,82	ECST1CC226	T.CAPACITOR CH 16V 22U	2	
C108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C110	ECST1CC226	T.CAPACITOR CH 16V 22U	1	
C112,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C114,15	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C116	ECSF1AE336	T.CAPACITOR CH 10V 33U	1	
D1-D6	MA152WK	DIODE	6	
D7	MA3180	DIODE	1	
D8	EA60QC04F	DIODE	1	B0JDRE000002
D9	MA3062	DIODE	1	
D10	MA3180	DIODE	1	
D11	EA60QC04F	DIODE	1	B0JDRE000002
D12	MAZ306800L	DIODE	1	
D13-16	MA3047	DIODE	4	
D17	B0JCML000002	DIODE	1	
IC1	TL062CPW	IC	1	
IC2	TL1451CNS	IC	1	C0DBAMA00001
IC3	NJM431U	IC	1	C0DBEZC00003
IC4,C5	TL062CPW	IC	2	
IC6	NJM431U	IC	1	C0DBEZC00003
IC7	NJM062V	IC	1	
IC8	NJM4560MD	IC	1	C0ABBB000116
IC9	MCD5223	IC	1	B3RAC0000004
IC10	C0ABBA000075	IC	1	
IC11	MCD5223	IC	1	B3RAC0000004
IC12	TL062CPW	IC	1	
IC13,14	TC4W53FU	IC	2	C0JBAR000113

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC15	NJM062V	IC	1	
IC16	TC4W53FU	IC	1	C0JBAR000113
IC17	NJM062V	IC	1	
IC18	NJM4560MD	IC	1	C0ABBB000116
IC29	NJM062V	IC	1	
L1	VLQ0417	COIL 10UH	1	
L2	J0JKC0000009	FILTER	1	
L3	VLQ0400	COIL	1	
L4,L5	VLQ0417	COIL 10UH	2	
L6	VLQ0400	COIL	1	
L7	J0JKC0000009	FILTER	1	
L8	VLQ0417	COIL 10UH	1	
L9,10	J0JKC0000009	FILTER	2	
L11-13	VLP0147	COIL	3	
L14	J0JKC0000009	FILTER	1	
L15	VLP0147	COIL	1	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
Q1	2SD601A-R	TRANSISTOR	1	
Q2	UN2215	TRANSISTOR-RESISTOR	1	
Q3,Q4	2SD601A-R	TRANSISTOR	2	
Q5	2SB709A-R	TRANSISTOR	1	
Q6	2SJ245S	TRANSISTOR	1	
Q7	2SB709A-R	TRANSISTOR	1	
Q8	2SD601A-R	TRANSISTOR	1	
Q9	2SB709A-R	TRANSISTOR	1	
Q10	2SJ245S	TRANSISTOR	1	
Q11	2SD601A-R	TRANSISTOR	1	
Q12	2SB09560HL	TRANSISTOR	1	
Q13	2SD1280	TRANSISTOR	1	
Q14-16	2SB09560HL	TRANSISTOR	3	
R1	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R2	ERW2PKR10	W.RESISTOR 2W 0.1	1	
R3	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R4	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R5,R6	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	2	
R7	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R9	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R10	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R11	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R12	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R13	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R14	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R15	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R16	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R17	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R18	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R20	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R21	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R22	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R23	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R25	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R26	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R27	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R28	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R29	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R30	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R31	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R32	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R33	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R34	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R36	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R38	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R39	ERQ16NKR10	F.RESISTOR 0.1	1	
R40	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R41	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R42	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R43	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R44	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R45	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R46,47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R48	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R49	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R50	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R53,54	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R56	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R57	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R58	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R59	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R60	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R61	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R62,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R64	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R66	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R67	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R68	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R71	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R72	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	1	
R73	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R74	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R75	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R76	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R77,78	ERJ3GEYJ204	M.RESISTOR CH 1/16W 200K	2	
R79-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R83,84	ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	2	
R86	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R87,88	ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	2	
R90	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R92	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R93	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R94,95	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R96,97	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R98	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R99,00	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R101	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R102	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R104	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R105	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R106	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R107	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R108,09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R110	ERJ3GEYJ133	M.RESISTOR CH 1/16W 13K	1	
R111,12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R146,47	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
SW1	CAS-120B	SWITCH	1	
VR1	VRV0303B502	V.RESISTOR 5K	1	
VR2,R3	VRV0303B103	V.RESISTOR 10K	2	
		MISCELLANEOUS		
	VSC5316	SHIELD CASE (PWR)	1	
	VSC5317	SHIELD CASE COVER (PWR)	1	
	XYN2+J6	SCREW	2	
■ E4	VEP24165A	CAM ICOM P.C.BOARD	1	(RTL)
C1	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C2	ECSF1VE155	T.CAPACITOR CH 35V 1.5U	1	F0AAE1R50001
C3	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C4	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C5	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C7	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C9	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C10	ECA1EKF100	E.CAPACITOR 25V 10U	1	
IC1	AN77L08M	IC	1	
IC2	UPC4570G2	IC	1	C0ABBB000016
IC3	AN77L09M	IC	1	
P1	VJP4395C006	CONNECTOR	1	
P2	VJP4395C014	CONNECTOR	1	
R1	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4,R5	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R6	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R7	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R9,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
SW1	CMS-2212A	SWITCH	1	
SW2	VST0326	SWITCH	1	K0E112G00009
SW3	B-19A1P	SWITCH	1	
VR1	VRV0303B104A	V.RESISTOR 100K	1	
VR2,R3	RV102YP15SB1	V.RESISTOR 1K	2	
		MISCELLANEOUS		
	VMA0M77	INCOM BRACKET	1	
	VMX3143	VR SPACER	1	
■ E5	VEP20817A	CAM RET P.C.BOARD	1	(RTL)
D1001	HLMP-Q106	DIODE	1	
P1001	VJP4395B006	CONNECTOR (MALE)	1	
R1001	ERDS2TJ202	C.RESISTOR 1/4W 2K	1	
SW1001-03	EVQPHL03T	SWITCH	3	
■ E6	VEP20837A	CAM IF P.C.BOARD	1	(RTL)
J207	PCX-EB68LFY	CONNECTOR	1	
P107	VJP4064Q070	CONNECTOR	1	
■ E7	VEP20835A	CAM DCIN P.C.BOARD	1	(RTL)
J1	VJP3429	CONNECTOR (MALE)	1	K1AA104H0024
		MISCELLANEOUS		
	VEE0S44	EXT DCIN CABLE	1	

ELECTRICAL REPLACEMNT PARTS LIST (AJ-BS900HP/EN)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20818A	BS MOTHER P.C.BOARD	1	(RTL)
■ E2	VEP23518A	BS DIGITAL P.C.BOARD	1	(RTL)FOR AJ-BS900HP
■	VEP20885A	BS DIGITAL SUB P.C.BOARD	1	(RTL)FOR VEP23518A
■	VEP23533A	SET UP SUB P.C.BOARD	1	(RTL)FOR VEP23518(RTL)FOR SU
■ E2	VEP23518B	BS DIGITAL P.C.BOARD	1	(RTL)FOR AJ-BS900HEN
■	VEP20885A	BS DIGITAL SUB P.C.BOARD	1	(RTL)FOR VEP23518B
■ E3	VEP24166A	BS AUDIO P.C.BOARD	1	(RTL)FOR AJ-BS900HP
■ E3	VEP24166B	BS AUDIO P.C.BOARD	1	(RTL)FOR AJ-BS900HEN
■ E4	VEP21248A	BS POWER P.C.BOARD	1	(RTL)
■ E5	VEP21249A	BS AC FILTER P.C.BOARD	1	(RTL)
■ E6	VEP20819A	BS FRONT P.C.BOARD	1	(RTL)
■ E7	VEP21251A	BS POWER IF P.C.BOARD	1	(RTL)
■ E8	VEP24163A	BS ICOM P.C.BOARD	1	(RTL)
■ E9	VEP20840B	BS AUDIO CN P.C.BOARD	1	(RTL)
■ E10	VEP20833A	BS COMM P.C.BOARD	1	(RTL)
■ E11	VEP20832A	BS REAR P.C.BOARD	1	(RTL)
■ E12	VEP26248A	BS ECU LED P.C.BOARD	1	(RTL)
■ E13	VEP27214A	BS RF ASS'Y	1	(RTL)
■ E1	VEP20818A	BS MOTHER P.C.BOARD	1	(RTL)
C41,42	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
IC1	AN7712SP	IC	1	
L1	VLP0147	COIL	1	J0JBC0000041
L2,L3	VLP0353	COIL	2	
L4	VLP0147	COIL	1	J0JBC0000041
L5-10	VLP0353	COIL	6	
L11	J0JKC0000009	FILTER	1	
L12,13	VLP0353	COIL	2	
L14	J0JKC0000009	FILTER	1	
L15	VLP0147	COIL	1	J0JBC0000041
L16-18	VLP0353	COIL	3	
L19	VLP0147	COIL	1	J0JBC0000041
L20-26	VLP0353	COIL	7	
L27,28	J0JKC0000009	FILTER	2	
L29-34	VLP0353	COIL	6	
L35	VLP0147	COIL	1	J0JBC0000041
L36,37	J0JKC0000009	FILTER	2	
L38-45	VLP0353	COIL	8	
L46	VLP0147	COIL	1	J0JBC0000041
L47	VLP0353	COIL	1	
L48	VLP0147	COIL	1	J0JBC0000041
L49	VLP0353	COIL	1	
L50	VLP0147	COIL	1	J0JBC0000041
L51-59	VLP0353	COIL	9	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L60	VLP0147	COIL	1	J0JBC0000041
L61-65	VLP0353	COIL	5	
L66	VLP0147	COIL	1	J0JBC0000041
L67	VLP0353	COIL	1	
P1-P4	VJS4064N160E	CONNECTOR (FEMALE)	4	K1KAG0A00006
P5	VJP3969A037	CONNECTOR	1	
P6	VJP2824A004	CONNECTOR (MALE)	1	K1KA04A00005
P7	VJP2741A006	CONNECTOR (MALE)	1	K1KA06A00212
P8	VJP4395D008	CONNECTOR (MALE)	1	
P9	VJS3826C030	CONNECTOR (FEMALE)	1	
P10	VJP2741A004	CONNECTOR (MALE)	1	K1KA04A00236
P11	VJS3826A010	CONNECTOR (FEMALE)	1	
P12	VJP4395D010	CONNECTOR (MALE)	1	
P13	VJP4395D007	CONNECTOR (MALE)	1	
P14	VJP4395D010	CONNECTOR (MALE)	1	
P15	VJP4395D011	CONNECTOR (MALE)	1	
P16	VJP4395D012	CONNECTOR (MALE)	1	
P17	VJS3826C024	CONNECTOR (FEMALE)	1	
■ E2	VEP23518A	BS DIGITAL P.C.BOARD	1	(RTL)FOR AJ-BS900HP
■	VEP20885A	BS DIGITAL SUB P.C.BOARD	1	(RTL)FOR VEP23518A
■	VEP23533A	SETUP SUB P.C.BOARD	1	(RTL)FOR VEP23518A
■ E2	VEP23518B	BS DIGITAL P.C.BOARD	1	(RTL)FOR AJ-BS900HEN
■	VEP20885A	BS DIGITAL SUB P.C.BOARD	1	(RTL)FOR VEP23518B
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR SUB1 P.C.BOARD
C1 02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C2	ECST1AY106	T.CAPACITOR CH 10V 10U	1	FOR SUB1 P.C.BOARD
C2 02	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C3	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR SUB1 P.C.BOARD
C3 02	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C4	ECST1AY106	T.CAPACITOR CH 10V 10U	1	FOR SUB1 P.C.BOARD
C4 02	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C5	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C7,C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C9	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C10	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C11	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C12,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C14	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C15,16	ECST1VY104	T.CAPACITOR CH 35V 0.1U	2	
C17	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C19	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C21	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C22,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C24	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C25-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C28,29	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C30	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C31	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C33	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C34-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C38	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C39,40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C41	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C42	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C43	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C44,45	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C46,47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C48-50	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C51	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C52	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C53	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C54	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C55,56	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C57-59	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C60	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C61	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C62	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C63	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C64,65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C66	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C67,68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C69	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C70	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C72,73	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C74,75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C76-78	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C79	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C80	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C81	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C82	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C83,84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C85-87	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
C88	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C89	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C90	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C91	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C92-94	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C95	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C96	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C97	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C98	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C99	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C100-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C104,05	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C106,07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C108,09	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C110	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C111	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C112	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C115,16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C117	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C118	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C119,20	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C121-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C128,29	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C130-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C133,34	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C135-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C141	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C142	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C143,44	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C145,46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C147,48	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C149-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C152	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C153	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C154	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C155	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C156	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C157	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C158	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C159	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C162	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C163	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C164	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C165	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C166	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C167	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C168	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C170	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C171	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C172	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C173	F1H1H3R00021	C.CAPACITOR CH 50V 3P	1	FOR VEP23518A
C173	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	FOR VEP23518B
C174	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C175	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	FOR VEP23518A
C175	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	FOR VEP23518B
C176	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	FOR VEP23518B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C177	F1H1H100A735	C.CAPACITOR CH 50V 10P	1	FOR VEP23518A
C177	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP23518B
C178	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	FOR VEP23518A
C178	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	FOR VEP23518B
C179	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	FOR VEP23518A
C179	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP23518B
C180,81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C182	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C183	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C184-89	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C191	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C192,93	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C194	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C195	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C196	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C197	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C198	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C199	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C200	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C201	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C202	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C203	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C204	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C205	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C206	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C208	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C209	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C210	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C211	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C212	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C213	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C214	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C215	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C216	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C217	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C218	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C219	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C220	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C221,22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C223,24	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C225,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C227	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C228	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C229	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C230	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C231	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C232	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C233	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C234	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C235	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C236	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C237	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C238	ECST1CY225	T.CAPACITOR CH 16V 2.2U	1	
C239,40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C241	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C242-45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C246	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C247	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C248	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C249	F1H1H3R00021	C.CAPACITOR CH 50V 3P	1	FOR VEP23518A
C249	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	FOR VEP23518B
C250	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C251	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	FOR VEP23518A
C251	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	FOR VEP23518B
C252	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	FOR VEP23518B
C253	F1H1H100A735	C.CAPACITOR CH 50V 10P	1	FOR VEP23518A
C253	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	FOR VEP23518B
C254	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	FOR VEP23518A
C254	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	FOR VEP23518B
C255	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	FOR VEP23518A
C255	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP23518B
C256	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C257	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C258	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C259	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C260	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C263	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C264	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C266	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C267	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C268	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C269	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C271	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C272	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C273	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C274	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C276	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C277	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C278	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C279	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C280	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C282	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C283	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C284	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C285	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C286	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C287	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C288	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C289	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C290	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C291,92	ECST1CY225	T.CAPACITOR CH 16V 2.2U	2	
C293-99	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C300	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C302	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C303	F1H1H3R00021	C.CAPACITOR CH 50V 3P	1	FOR VEP23518A
C303	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	FOR VEP23518B
C304	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	FOR VEP23518A
C304	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	FOR VEP23518B
C305	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C306	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	FOR VEP23518A
C306	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	FOR VEP23518B
C307	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C308	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C309	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C310	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C311,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C313	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C314	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C315	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C316	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C317	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C318	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C319	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C320	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	FOR VEP23518A
C320	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	FOR VEP23518B
C321	ECUX1H680JCV	C.CAPACITOR CH 50V 65P	1	FOR VEP23518A
C322	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C323	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C324	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	FOR VEP23518A
C324	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP23518B
C325	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	FOR VEP23518A
C326	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C327	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C328	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C329	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C330	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C331	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C332	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C333	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C334,35	ECST1CY225	T.CAPACITOR CH 16V 2.2U	2	
C336,37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C338	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	FOR VEP23518B
C339-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C342	ECST1AY106	T.CAPACITOR CH 10V 10U	1	FOR VEP23518B
C343	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP23518B
C344	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	FOR VEP23518B
C345	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	FOR VEP23518B
C346	ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	FOR VEP23518B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C347	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C348	ECUX1H101JCV	C.CAPACITOR CH 50V 101P	1	FOR VEP23518A
C349	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C350	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C351	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C352,53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C354	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C355	VCC0035	C.CAPACITOR	1	FOR VEP23518A
C355	VCC0035	C.CAPACITOR	1	
C356	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C357-61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C362,63	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C364-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C367,68	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C369	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C370	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C371	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C372	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C373	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C374	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C375	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C376,77	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C378	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C379	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C380,81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C382	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C383	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C384	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C385	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C386,87	ECST1AY106	T.CAPACITOR CH 10V 10U	2	
C388	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C389	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C390-92	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C393	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C394	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C395	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C396	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C397	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C398	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C399	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C400	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C401	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C402	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C434	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C435	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C436-39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C440	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C441	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C442	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C443	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C444	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C445	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C446	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C447	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C448	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C449,50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C451,52	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C453-55	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	3	
D1-D3	MA152K	DIODE	3	
D4,D5	MA3047	DIODE	2	
D6-D8	MA152K	DIODE	3	
FL1-L5	F1L1H2040004	C.CAPACITOR 50V 0.1U	5	
IC1 02	C0ABBA000075	IC	1	
IC1,C2	EPM7032AE441	IC	2	FOR SUB1 P.C.BOARD
IC2 02	GS9024-CKB	IC	1	
IC3	GS9035A-CPJ	IC	1	
IC4	GS9020-CFV	IC	1	C1AB00000364
IC5	C0EBH0000053	IC	1	
IC6	C0JBAA000076	IC	1	
IC7,C8	C0JBAF000315	IC	2	
IC9	TLCX244FT	IC	1	
IC10	C1AB00001136	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC11	MN64672	IC	1	
IC12,13	M5220FP	IC	2	C0ABBB000152
IC14	MN64672	IC	1	
IC15,16	M5220FP	IC	2	C0ABBB000152
IC17	TLCX244FT	IC	1	
IC19,20	TC7WH125FU	IC	2	
IC21	TC7WT125FU	IC	1	
IC22	TC7S04FU	IC	1	
IC23	MC74HC4046AF	IC	1	C0JBAZ000153
IC24	UPD65943GCY1	IC	1	
IC25-28	TLCX244FT	IC	1	
IC29	TC74ACT244F	IC	1	FOR VEP23518A
IC29	TLCX244FT	IC	1	FOR VEP23518B
IC30	UPD65943GCY1	IC	1	
IC31,32	TC74ACT244F	IC	2	
IC33	GF9103-CPS	IC	1	
IC34-37	TLCX244FT	IC	4	
IC38,39	UPD65943GCY1	IC	2	
IC40	ADV7122KST50	IC	1	C0FBBF000019
IC41	AD589JR	IC	1	
IC42	TC7W53F	IC	1	
IC43	TC7S04FU	IC	1	
IC44	AD818AR	IC	1	
IC45	TC7W53F	IC	1	
IC46	AD818AR	IC	1	
IC47	ADV7122KST50	IC	1	C0FBBF000019
IC48	AD589JR	IC	1	
IC49	AD818AR	IC	1	
IC50,51	C0JBAZ000611	IC	2	
IC52	TL081CPS	IC	1	
IC53	TC74ACT244F	IC	1	
IC54-56	AD818AR	IC	3	
IC57	UPD65943GCY1	IC	1	
IC58	AN77L09M	IC	1	
IC59	XC62EP3202M	IC	1	
IC60	C0ABBA000075	IC	1	
IC61	NJM431U	IC	1	C0DBEZC00003
IC62	ADV7122KST50	IC	1	C0FBBF000019
IC63	AD589JR	IC	1	
IC64-69	AD818AR	IC	6	
IC70	TL062CPW	IC	1	
IC71	NJM1496M	IC	1	C1CB00000435
IC72	AD818AR	IC	1	
IC73,74	NJM1496M	IC	2	C1CB00000435
IC75-79	TC7WH125FU	IC	5	
IC80	C0JBZZ000140	IC	1	
IC81	EPC1441PC8	IC	1	C3DAKA000013
IC82	TC74ACT244F	IC	1	
IC83,84	M5220FP	IC	2	C0ABBB000152
IC85	MN64672	IC	1	
IC89	C1AB00001136	IC	1	
IC90	TC7W74FU	IC	1	
IC91	TLCX244FT	IC	1	
IC92	UPD6456T611Y	IC	1	C1AB00000555
ID81	VVVSI3721A	SOFTWARE	1	
IP1,P2	VSI3724	IC	2	FOR SUB1 P.C.BOARD
J1	VJS3303	CONNECTOR	1	K1QZB1AA0012
L1 02	J0JKC0000009	FILTER	1	
L1	VLP0147	COIL	1	J0JBC0000041 FOR SUB1 P.C.BO
L2 02	ELJRE15NJF2	COIL	1	
L2	VLP0147	COIL	1	J0JBC0000041 FOR SUB1 P.C.BO
L3-L5	J0JKC0000009	FILTER	3	
L6-10	VLP0147	COIL	5	J0JBC0000041
L11	J0JKC0000009	FILTER	1	
L12-14	VLP0147	COIL	3	J0JBC0000041
L15,16	J0JKC0000009	FILTER	2	
L17-19	VLP0147	COIL	3	J0JBC0000041
L20-23	VLQ0163J1R5	COIL 1.5UH	4	
L24	VLQ0163J470	COIL 47UH	1	FOR VEP23518A
L24	SLQDNL101JT	COIL	1	G1C101J00002 FOR VEP23518B
L25	VLQ0163J120	COIL 12UH	1	G1C120J00001 FOR VEP23518B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L26	G1C330J00004	COIL 33UH	1	FOR VEP23518A
L26	VLQ0163J560	COIL 56UH	1	FOR VEP23518B
L27-32	VLQ0163J1R5	COIL 1.5UH	6	
L33	VLP0147	COIL	1	J0JBC0000041
L34	VLQ0163J470	COIL 47UH	1	FOR VEP23518A
L34	SLQDNL101JT	COIL	1	G1C101J00002 FOR VEP23518B
L35	VLQ0163J120	COIL 12UH	1	G1C120J00001 FOR VEP23518B
L36	G1C330J00004	COIL 33UH	1	FOR VEP23518A
L36	VLQ0163J560	COIL 56UH	1	FOR VEP23518B
L37,38	VLQ0163J1R5	COIL 1.5UH	2	
L39	VLQEL05F331J	COIL 330UH	1	
L40,41	VLQ0467J120	COIL 12UH	2	
L42	VLQ0163J560	COIL 56UH	1	
L43	VLQ0163J121	COIL 120UH	1	G1C121J00001
L44	VLQEL05F102J	COIL 1000UH	1	FOR VEP23518A
L44	VLQEL05F331J	COIL 330UH	1	FOR VEP23518B
L45	VLQ0163J150	COIL 15UH	1	
L46	G1C270J00002	COIL 27UH	1	FOR VEP23518A
L46	VLQ0163J120	COIL 12UH	1	G1C120J00001 FOR VEP23518B
L47	VLQ0163J180	COIL 18UH	1	G1C180J00001
L48-50	VLP0147	COIL	3	J0JBC0000041
L51	NL322522T	COIL 27UH	1	
L52-61	VLP0147	COIL	10	J0JBC0000041
P1 02	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P1,P2	VJP4395D007	CONNECTOR (MALE)	2	FOR SUB1 P.C.BOARD
P2 02	VJP4395D007	CONNECTOR (MALE)	1	
Q1	UN2215	TRANSISTOR-RESISTOR	1	
Q2	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q3	2SC3734B24	TRANSISTOR	1	
Q4	2SA1022-C	TRANSISTOR	1	
Q5	2SC3734B24	TRANSISTOR	1	
Q6	2SA1022-C	TRANSISTOR	1	
Q7	2SA1461Y24	TRANSISTOR	1	
Q8	2SC3734B24	TRANSISTOR	1	
Q9	UN2111	TRANSISTOR-RESISTOR	1	
Q10,11	2SK508-B	TRANSISTOR	2	
Q12-14	2SC3734B24	TRANSISTOR	3	
Q15,16	2SB09560HL	TRANSISTOR	2	
Q17	2SD1280	TRANSISTOR	1	
Q18	2SA1461Y24	TRANSISTOR	1	
Q19,20	2SC3734B24	TRANSISTOR	2	
Q21	2SC2295-C	TRANSISTOR	1	
Q22	2SA1022-C	TRANSISTOR	1	
Q23	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q24	2SC2295-C	TRANSISTOR	1	
Q25,26	2SC3734B24	TRANSISTOR	2	
Q27	2SC2295-C	TRANSISTOR	1	
Q28,29	2SC3734B24	TRANSISTOR	2	
Q30	2SC2295-C	TRANSISTOR	1	
Q31	2SA1022-C	TRANSISTOR	1	
Q32	2SK94-X4	TRANSISTOR	1	B1DBAF000001
Q33	2SC2295-C	TRANSISTOR	1	
Q34	UN2215	TRANSISTOR-RESISTOR	1	
Q35	2SD601A-R	TRANSISTOR	1	
Q36	UN2215	TRANSISTOR-RESISTOR	1	
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002 FOR SUB1 P.C.BO
R1 02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R2	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR SUB1 P.C.BO
R2 02	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR SUB1 P.C.BO
R3 02	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR SUB1 P.C.BO
R4 02	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R5	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR SUB1 P.C.BO
R5 02	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R6-R8	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	D0GB102JA002 FOR SUB1 P.C.BO
R8 02	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R9	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002 FOR SUB1 P.C.BO
R11	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R12	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R13,14	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R15	ERJ3GEYJ361	M.RESISTOR CH 1/16W 360	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R17	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R19	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R20	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R21,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R23,24	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R25-32	ERJ3GEYJ432	M.RESISTOR CH 1/16W 4.3K	8	
R33-40	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	8	
R41-48	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	8	
R49-52	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	4	
R53-56	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R57	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R58	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R59	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R60	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R61	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R62	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R63	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R64	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R65	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R66	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R67	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R68	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R69	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R70	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R72	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R73	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R74-93	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	20	
R94,95	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R96,97	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R99	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R101	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R102-04	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R105	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R106	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R107,08	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R109,10	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R111	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R113	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R114	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R116	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R118	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R119	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R120	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R121	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R122	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	FOR VEP23518A
R122	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	FOR VEP23518B
R123	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R125	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R126	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R127,28	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R129,30	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R131	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R132	ERJ3RBD163	M.RESISTOR CH 1/16W 16K	1	
R134	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R135	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R136	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R137	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	FOR VEP23518A
R137	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	FOR VEP23518B
R138	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	FOR VEP23518A
R138	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	FOR VEP23518B
R139	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP23518A
R139	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	FOR VEP23518B
R141	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R142	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R143	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R144	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R145	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R146	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP23518A
R147	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R148	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R149	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R150-52	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R153	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R154	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R155	ERJ3RBD202	M.RESISTOR CH 1/16W 1K	1	FOR VEP23518A
R155	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	FOR VEP23518B
R156	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	FOR VEP23518A
R156	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	FOR VEP23518B
R157	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R158	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R159	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R160	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R161	ERJ3GEYJ113	M.RESISTOR CH 1/16W 11K	1	
R162	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R163	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R164	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R165	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R166,67	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	2	
R168	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R169,70	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R171,72	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R173	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R175	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R176	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R177	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R178	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP23518A
R178	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	FOR VEP23518B
R179	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R180	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R181,82	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R183,84	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R185	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R187	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R188	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R189	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R190	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP23518A
R190	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	FOR VEP23518B
R191	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP23518A
R191	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	FOR VEP23518B
R192	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R193	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R194,95	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R196,97	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R198	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R200	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R201	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R202	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP23518A
R202	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	FOR VEP23518B
R203	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R204	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP23518A
R204	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	FOR VEP23518B
R205	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R206,07	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R208	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R209	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R210,11	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R214	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R215	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R216	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R217	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R218	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220-22	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R223	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	FOR VEP23518B
R224	ERJ3GEYJ162	M.RESISTOR CH 1/16W 1.6K	1	
R225	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R226	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R227	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R228	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP23518A
R229	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R231	ERJ3RBD623	M.RESISTOR CH 1/16W 62K	1	FOR VEP23518A
R231	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R232	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R233	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	
R234	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R235	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R236	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R237	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R238	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R239	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R240	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	1	FOR VEP23518B
R241	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R243	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R244	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R246	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R247,48	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R249	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R251	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R252,53	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R254	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R256	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R257,58	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R259	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R260	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	FOR VEP23518A
R260	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	FOR VEP23518B
R261	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R263	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R264	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R266-68	ERJ6RED750	M.RESISTOR CH 1/10W 75	3	
R269	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R270	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R271	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R272	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R273	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R274	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R275	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R276	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	FOR VEP23518A
R276	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	FOR VEP23518B
R277	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R278	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R279	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R280	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R281	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R282	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R283	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R284	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R285	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP23518A
R285	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	FOR VEP23518B
R286	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	FOR VEP23518A
R286	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	FOR VEP23518B
R287	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	FOR VEP23518B
R288	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R289	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R290	ERJ3GEYJ361	M.RESISTOR CH 1/16W 360	1	
R291	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R292	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R293	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R294	ERSA39J102	M.RESISTOR 1/8W 1K	1	
R295	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R296	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R297,98	ERJ3RBD621	M.RESISTOR CH 1/16W 620	2	
R299	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R300	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP23518A
R300	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	FOR VEP23518B
R301	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R302	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R303	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R304	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R305	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R306	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R307	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R309	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	FOR VEP23518B
R310	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R311	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R312	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R313	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	FOR VEP23518A
R313	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP23518B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R314	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R315	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	FOR VEP23518A
R315	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP23518B
R316	ERJ3GEYJ132	M.RESISTOR CH 1/16W 1.3K	1	FOR VEP23518A
R316	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	FOR VEP23518B
R317	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	FOR VEP23518A
R317	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP23518B
R318	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R319	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R320	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	FOR VEP23518B
R321	ERJ3RBD162	M.RESISTOR CH 1/16W 1.6K	1	
R322	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R323	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R324	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R325	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R326	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R327	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	FOR VEP23518A
R327	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	FOR VEP23518B
R328	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	FOR VEP23518A
R328	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	FOR VEP23518B
R329	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	FOR VEP23518B
R330	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R331	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R332	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R333	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R334	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R335	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	FOR VEP23518B
R337	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	FOR VEP23518B
R338	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP23518B
R339	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	FOR VEP23518B
R340	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP23518B
R341	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	FOR VEP23518B
R342	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	FOR VEP23518B
R343	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	FOR VEP23518B
R344-46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	D0GB102JA002 FOR VEP23518B
R347	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP23518A
R348	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP23518B
R349	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	FOR VEP23518B
R350	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R351	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R352	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	FOR VEP23518A
R352	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP23518B
R353	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R354	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R355	ERJ3GEYJ913	M.RESISTOR CH 1/16W 91K	1	
R356-60	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	D0GB102JA002
R361	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R362-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	D0GB102JA002
R367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R368	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R369-72	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	4	
R373-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R376	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R377	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R378	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R379-82	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	4	
R383-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R386	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R407	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R408	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R409	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R410	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R412,13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R414	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R415,16	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R417	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R419-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	38	
R457-59	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	3	
SW1	CAS-120B	SWITCH	1	
SW2	VSS0367-08B	SWITCH	1	
SW3	CAS-120B	SWITCH	1	
TP1-P3	EYF6CU	TEST POINT	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VC1	ECV1ZW30X53	TRIMMER	1	
VR1,R2	VRV0303B501	V.RESISTOR 500	2	
VR3,R4	VRV0303B103	V.RESISTOR 10K	2	
VR5-R7	VRV0303B501	V.RESISTOR 500	3	
VR8	VRV0303B502	V.RESISTOR 5K	1	
VR9-15	VRV0303B501	V.RESISTOR 500	7	
VR16	D3EC3202A002	V.RESISTOR 32K	1	FOR VEP23518A
VR16	VRV0303B102	V.RESISTOR 1K	1	FOR VEP23518B
VR17	VRV0303B102	V.RESISTOR 1K	1	
VR18	VRV0303B103	V.RESISTOR 10K	1	FOR VEP23518B
VR19	VRV0303B203A	V.RESISTOR 20K	1	D3EC3203A002
VR20	VRV0303B103	V.RESISTOR 10K	1	
VR21	VRV0303B103	V.RESISTOR 10K	1	FOR VEP23518B
VR22	VRV0303B203A	V.RESISTOR 20K	1	D3EC3203A002
VR23	VRV0303B503	V.RESISTOR 50K	1	FOR VEP23518B
VR24	VRV0303B203A	V.RESISTOR 20K	1	D3EC3203A002 FOR VEP23518B
X1	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
		MISCELLANEOUS		
	VML3560	CARD PULLER	1	
	XSB2+6FX	SCREW	2	
■ E3	VEP24166A	BS AUDIO P.C.BOARD	1	(RTL)FOR AJ-BS900HP
■ E3	VEP24166B	BS AUDIO P.C.BOARD	1	(RTL)FOR AJ-BS900HEN
C1,C2	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C3,C4	ECST1VC685	T.CAPACITOR CH 35V 6.8U	2	
C5,C6	ECST1CC336	T.CAPACITOR CH 16V 33U	2	
C7,C8	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C9,10	ECST1VC685	T.CAPACITOR CH 35V 6.8U	2	
C11,12	ECST1CY475	T.CAPACITOR CH 16V 4.7U	2	
C13-16	EEVHB1E330P	E.CAPACITOR 25V 33U	4	
C17	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C18,19	ECST1VC685	T.CAPACITOR CH 35V 6.8U	2	
C20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C21	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C22-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C30	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C31-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C36	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C37,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C39	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C40	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C41	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C42	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C72-75	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C76	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C78	ECST1CY225	T.CAPACITOR CH 16V 2.2U	1	
C79,80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C81	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C82-84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C85	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C86-88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C89	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
C90	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C91	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C92	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C93,94	ECST1VC685	T.CAPACITOR CH 35V 6.8U	2	
C95	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C96	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C97	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C98	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C99	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C100	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C101	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C102	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C103,04	ECST1VC685	T.CAPACITOR CH 35V 6.8U	2	
C105	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C106	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C107	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C108	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C109,10	ECST1VC685	T.CAPACITOR CH 35V 6.8U	2	
C111	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C112	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C113	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C114	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C115	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C116	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C117	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C125	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C127,28	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C129	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C130-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C133	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C137	ECST1CC226R	T.CAPACITOR CH 16V 22U	1	FOR VEP24166A
C138	ECST1CY225	T.CAPACITOR CH 16V 2.2U	1	
C140	ECST1CY225	T.CAPACITOR CH 16V 2.2U	1	
C141-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C145	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C146,47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C148	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
C149	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C150-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C155	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C156	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C157	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C158,59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C160,61	ECST1CY225	T.CAPACITOR CH 16V 2.2U	2	
C162	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C163	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C164	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C165-70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C171	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C172	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C173,74	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C175	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C176	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C177	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C178	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C180	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C181-87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C188	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C189	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C190	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C191	ECST1AC476R	T.CAPACITOR CH 10V 47U	1	
C192	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C193,94	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C195,96	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C197	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C198	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C199	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C200	ECUX1H150JCV	C.CAPACITOR CH 50V 56P	1	FOR VEP24166A
C200	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	FOR VEP24166B
C201-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C205	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C206	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C207	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C208	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C211	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C214,15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C216,17	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C218,19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C221	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C222	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C223-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C226,27	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C228,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C230,31	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	2	
C232	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C233,34	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C235	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C236	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C237	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C238,39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C240	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C241	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C242-45	ECST1CC336	T.CAPACITOR CH 16V 33U	4	
C246,47	ECST1EY155	T.CAPACITOR CH 25V 1.5U	2	
C248	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C249	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C252	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C253	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C254	ECST1VC685	T.CAPACITOR CH 35V 6.8U	1	
D1	MA152WA	DIODE	1	
D2-D5	EC11FS2	DIODE	4	
D6-D8	MA3047	DIODE	3	
D9	MA3X152K0L	DIODE	1	FOR VEP24166A
D10-23	MA152K	DIODE	14	
FL1	F1L1H2040004	C.CAPACITOR 50V 0.1U	1	
FL2	J0E2504A0001	FILTER	1	J0E4434A0008 FOR VEP24166A
FL2	VLF0906	FILTER	1	FOR VEP24166B
FL3	J0E2504A0001	FILTER	1	FOR VEP24166A
FL3	VLF0906	FILTER	1	FOR VEP24166B
FL4	J0E2504A0001	FILTER	1	FOR VEP24166A
FL4	VLF0906	FILTER	1	FOR VEP24166B
IC1	NJM4560MD	IC	1	C0ABBB000116
IC2	NJM4558M	IC	1	C0ABBB000044
IC3	NJM4560MD	IC	1	C0ABBB000116
IC4,C5	NJM4558M	IC	2	C0ABBB000044
IC6	NJM4560MD	IC	1	C0ABBB000116
IC7	C0JBAR000023	IC	1	
IC8	NJM4558M	IC	1	C0ABBB000044
IC9	C0JBAR000023	IC	1	
IC10-12	TL062CPW	IC	3	
IC21	PS2706-2	IC	1	
IC22	TC7S86F	IC	1	
IC23	TC7S04FU	IC	1	
IC24	TC7S86F	IC	1	
IC25	C0ABBA000075	IC	1	
IC26	NJM431U	IC	1	C0DBEZC00003
IC27	TL062CPW	IC	1	
IC29	AN7908F	IC	1	
IC30	ZUS1R51212	IC	1	
IC31	AN7808F	IC	1	
IC32	C0JBAR000023	IC	1	
IC33	NJM4558M	IC	1	C0ABBB000044
IC34	NJM4560MD	IC	1	C0ABBB000116
IC35	NJM4558M	IC	1	C0ABBB000044
IC36	NJM4560MD	IC	1	C0ABBB000116
IC37,38	NJM4558M	IC	2	C0ABBB000044
IC41	GS4981-C	IC	1	
IC42	TC7S04FU	IC	1	
IC43	TC7W53F	IC	1	
IC44	TC7S00F	IC	1	C0JBAC000105
IC45	TL062CPW	IC	1	
IC46	TC7W53F	IC	1	
IC47	TC7S04FU	IC	1	
IC48,49	TL062CPW	IC	2	
IC50	TL712CPS	IC	1	
IC51,52	TL062CPW	IC	2	
IC53	C0JBAB000180	IC	1	
IC54	MC74HC4538AF	IC	1	C0JBAM000012
IC55	C0JBAB000180	IC	1	
IC56	MC74HC4538AF	IC	1	C0JBAM000012
IC57	MN6761S	IC	1	
IC58	TLC272CPS	IC	1	C0ABEB000009
IC59	TC7W53F	IC	1	
IC60	UPD65022F210	IC	1	C1ZBZ0001334
IC61	C0JBZZ000077	IC	1	
IC62	TC7W53F	IC	1	
IC63	C0JBAB000180	IC	1	
IC64	TL062CPW	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC65	SN74LS06NS	IC	1	
IC66	AD818AR	IC	1	
IC67	C0JBAB000180	IC	1	
IC68	SN75C1168NS	IC	1	
IC69	MC74HC4053F	IC	1	C0JBAR000054
IC70	SN75C1168NS	IC	1	
IC71	MC74HC4053F	IC	1	C0JBAR000054
IC72	HD64F3048F16	IC	1	C2CBHF000009
IC73	C0JBAA000076	IC	1	
IC74	C0EBH0000053	IC	1	
IC75	C3ZBD0000004	IC	1	
IC77	LTC1446CS8	IC	1	
IC78	TLCX244FT	IC	1	
IC79	AN90B20S	IC	1	
IC1002	TC7S08F	IC	1	C0JBAA000095
ID61	VVVSI3722A	SOFTWARE	1	FOR VEP24166A
ID61	VVVSI3723A	SOFTWARE	1	FOR VEP24166B
ID72	VVVSI3591B	SOFTWARE	1	FOR VEP24166A
ID72	VVVSI3553C	SOFTWARE	1	FOR VEP24166B
L1,L2	VLQ0319K470	COIL 47UH	2	G1C470K00013
L5	J0JKC0000009	FILTER	1	
L6,L7	VLQ0319K470	COIL 47UH	2	G1C470K00013
L8-19	VLP0147	COIL	12	J0JBC0000041
L20	J0JKC0000009	FILTER	1	
L21,22	VLP0147	COIL	2	J0JBC0000041
L23	J0JKC0000009	FILTER	1	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS3826A020	CONNECTOR (FEMALE)	1	
P3	VJP4395D007	CONNECTOR (MALE)	1	
Q1,Q2	2SD1280	TRANSISTOR	2	
Q3	UN2215	TRANSISTOR-RESISTOR	1	
Q4	2SB09560HL	TRANSISTOR	1	
Q5	2SD1280	TRANSISTOR	1	
Q6	2SB09560HL	TRANSISTOR	1	
Q7	UN2211	TRANSISTOR-RESISTOR	1	
Q8	2SA1022-C	TRANSISTOR	1	
Q9	2SC2295-C	TRANSISTOR	1	
Q10	2SA1022-C	TRANSISTOR	1	
Q11-13	2SC2295-C	TRANSISTOR	3	
Q14	UN2211	TRANSISTOR-RESISTOR	1	
Q15	2SA1022-C	TRANSISTOR	1	
Q16-18	2SC2295-C	TRANSISTOR	3	
Q19	UN2211	TRANSISTOR-RESISTOR	1	
R1	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R2,R3	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R4	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R7	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R8,R9	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	2	
R10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R12	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R13,14	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R15	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R16,17	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R18	ERJ3GEYJ270	M.RESISTOR CH 1/16W 27	1	
R19	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R20	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	
R21	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R22,23	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	2	
R24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R26	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R27,28	ERJ3GEYJ113	M.RESISTOR CH 1/16W 11K	2	
R29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R30	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R31,32	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R33,34	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
R35-38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R39,40	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R41,42	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	2	
R43	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R44	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R45-47	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	3	
R48-51	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	4	
R52	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R53-56	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	4	
R57-59	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	3	
R60	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R61	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R62	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R65	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R66	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R67,68	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R69,70	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	2	
R71	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R72	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R73	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R74	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R75	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002D
R77	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R129-34	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	6	
R135,36	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	2	
R137-39	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	3	
R140,41	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R142	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R143	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R144	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R145	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R146	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R147	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R148	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R149	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R150	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R151	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R153	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R154	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R155	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R156	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R157	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R158,59	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R160	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R161	ERJ3GEYJ133	M.RESISTOR CH 1/16W 13K	1	
R162	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R163,64	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R165,66	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R167,68	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R169,70	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R171	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R172,73	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R174	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R175	ERJ3GEYJ133	M.RESISTOR CH 1/16W 13K	1	
R176	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R177,78	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R179,80	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R181,82	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R183,84	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R185	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R187,88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R189,90	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R191,92	ERJ3GEYJ113	M.RESISTOR CH 1/16W 11K	2	
R193,94	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	2	
R195	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R196	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R197-99	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R200,01	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R217	ERJ3RBD511	M.RESISTOR CH 1/16W 510	1	
R218	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R219	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R220	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R221	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R223	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R224	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R225	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R226	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R228	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R229	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R230	ERJ3GEYJ302	M.RESISTOR CH 1/16W 3K	1	
R231	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R232	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R233	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R234	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R235	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP24166A
R235	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	FOR VEP24166B
R237	ERJ3GEYJ911	M.RESISTOR CH 1/16W 9.1K	1	FOR VEP24166A
R237	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	FOR VEP24166B
R238	ERJ3RED105	M.RESISTOR CH 1/16W 1M	1	FOR VEP24166A
R238	ERJ3GEYJ514	M.RESISTOR CH 1/16W 510K	1	FOR VEP24166B
R239	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	FOR VEP24166A
R239	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	1	FOR VEP24166B
R240	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R244	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	FOR VEP24166A
R244	ERJ3GEYJ914	M.RESISTOR CH 1/16W 910K	1	FOR VEP24166B
R215	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	FOR VEP24166A
R245	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	FOR VEP24166B
R246,47	ERJ3RBD130	M.RESISTOR CH 1/16W 10K	2	FOR VEP24166A
R248	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	FOR VEP24166A
R249	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R250	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R251	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R252	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R253	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R254	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R255	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R256	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R257	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R258	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R259	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R260	ERJ3GEYJ622	M.RESISTOR CH 1/16W 6.2K	1	
R261	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R262	ERJ3GEYJ163	M.RESISTOR CH 1/16W 16K	1	
R263	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R264,65	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R266	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R267	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R268,69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R270	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R271	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP24166A
R271	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	FOR VEP24166B
R272	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R273-77	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R278,79	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R280	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R281	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R282	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R283,84	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R285	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	FOR VEP24166A
R285	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	FOR VEP24166B
R286	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R287	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R288	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R289	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R290	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R291	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R292	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R293	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R294	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R295	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R296,97	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R301	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R302	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R303,04	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	2	
R305-07	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R309	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R311	ERJ3GEYJ911	M.RESISTOR CH 1/16W 910	1	
R312	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R313	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	FOR VEP24166A
R313	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	FOR VEP24166B
R314,15	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R316	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R317	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R318	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R319	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R320	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	
R321	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R322	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R323	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R324	ERSA39J102	M.RESISTOR 1/8W 1K	1	
R325	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R326,27	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R328,29	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	D0GB102JA002
R330,31	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R332,33	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R334,35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	D0GB102JA002
R336,37	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	2	
R338	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R339	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R340	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R341-44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R345-49	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	5	
R350	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R351	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R352	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R353	ER025CHF1500	M.RESISTOR 1/4W 150	1	
R354-56	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R357	ER025CHF1500	M.RESISTOR 1/4W 150	1	
R358	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R359	ER025CHF1500	M.RESISTOR 1/4W 150	1	
R360	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R361	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R363	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R364	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R365,66	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R367	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R368	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R369,70	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R371,72	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R373,74	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002 FOR VEP24166B
R375	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R376-81	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R382	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R383	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R384	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R385	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R387	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R389-93	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R394	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R395,96	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R397	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R398	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
SW1	CMS-2302A	SWITCH	1	
SW2	CAS-120B	SWITCH	1	
SW5-W9	CMS-2202A	SWITCH	5	
SW11,12	CAS-120B	SWITCH	2	
TP1-P4	EYF6CU	TEST POINT	4	
VR1-R3	VRV0303B103	V.RESISTOR 10K	3	
VR4	VRV0303B502	V.RESISTOR 5K	1	
VR5	VRV0303B104A	V.RESISTOR 100K	1	
VR10,11	VRV0303B104A	V.RESISTOR 100K	2	
VR12	VRV030B103A	V.RESISTOR 30K	1	FOR VEP24166A
VR13	VRV030B503A	V.RESISTOR 50K	1	FOR VEP24166A
VR13	VRV0303B203A	V.RESISTOR 20K	1	D3EC3203A002 FOR VEP24166B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR14	VRV0303B103	V.RESISTOR 10K	1	
VR15	VRV0303B502	V.RESISTOR 5K	1	
VR16,17	VRV0303B103	V.RESISTOR 10K	2	
VR18	VRV0303B102	V.RESISTOR 1K	1	
X1	VC-TCXO-125C	CRYSTAL OSCILLATOR	1	FOR VEP24166B
X2	H1C1435B0001	CRYSTAL OSCILLATOR	1	FOR VEP24166A
X3	H1C2705A0002	CRYSTAL OSCILLATOR	1	FOR VEP24166A
X4	CSACV16.00MX	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML3560	CARD PULLER	1	
	XSB2+6FX	SCREW	2	
	XNG2E	NUT	2	
	XSN3+8FXS	SCREW	2	
	XWE3D8	WASHER	2	
	XWA3B	WASHER	2	
	XNG3BS	NUT	2	
■ E4	VEP21248A	BS POWER P.C.BOARD	1	(RTL)
C1	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C2	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3	ECST1VD106	E.CAPACITOR 35V 10M	1	
C4	ECST1CD686	T.CAPACITOR CH 16V 68U	1	
C5	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C8	ECST0JX336	T.CAPACITOR CH6.3V 33U	1	
C9	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C10	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C11	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C13	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C14	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C16	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C17	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C18	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C19-21	VCEA1AAP221	E.CAPACITOR 10V 220U	3	F2D1A2210001
C22,23	EEUFC1V151	E.CAPACITOR 35V 150P	2	
C24	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C25-27	VCEA1AAP221	E.CAPACITOR 10V 220U	3	F2D1A2210001
C30,31	ECQE2104KF	P.CAPACITOR 250V 0.1U	2	
C32	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C33	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C35	ECST0JC336	T.CAPACITOR CH6.3V 33U	1	
C36	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C37	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C41	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C42-44	VCEA1AAP221	E.CAPACITOR 10V 220U	3	F2D1A2210001
C45-47	EEUFC1V151	E.CAPACITOR 35V 150P	3	
C48	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C49-51	VCEA1AAP221	E.CAPACITOR 10V 220U	3	F2D1A2210001
C52	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C53	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C54	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C55-57	EEUFC1V151	E.CAPACITOR 35V 150P	3	
C59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C65	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C66,67	ECST1VD106	E.CAPACITOR 35V 10M	2	
C68	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
C69,70	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C73,74	ECST1VD106	E.CAPACITOR 35V 10M	2	
C75	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C76,77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C79-81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C82	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C83,84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C85	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C99	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C112,13	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C114	EEUFC1V151	E.CAPACITOR 35V 150P	1	
C115,16	ECST1CX106	T.CAPACITOR CH 16V 10U	2	
C201,02	ECST1EX475	T.CAPACITOR CH 25V 4.7U	2	
C203,04	EEVHB1V220P	E.CAPACITOR 35V 22U	2	
C207-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
D1,D2	NSD03A20	DIODE	2	
D3-D8	MA152WK	DIODE	6	
D9	MA3180	DIODE	1	
D10	EA60QC04F	DIODE	1	B0JDRE000002
D11	MA3056	DIODE	1	
D12	MA152WK	DIODE	1	
D13	MA3180	DIODE	1	
D14	EA60QC04F	DIODE	1	B0JDRE000002
D15	MA3056	DIODE	1	
D16	MA3180	DIODE	1	
D17	EA60QC04F	DIODE	1	B0JDRE000002
D18	MA3062	DIODE	1	
D19	MA3180	DIODE	1	
D20	EA60QC04F	DIODE	1	B0JDRE000002
D21	MAZ306800L	DIODE	1	
D22	MA291	DIODE	1	
D23	B0JCML000002	DIODE	1	
D24	MA291	DIODE	1	
D25-28	MA152K	DIODE	4	
D29	MA291	DIODE	1	
D30,31	MA152K	DIODE	2	
D32	NSD03A20	DIODE	1	
D33,34	MA152K	DIODE	2	
D201,02	MA152K	DIODE	2	
F1,F2	K5D502BK0002	FUSE	2	
F1-1,-2	EYF52BC	FUSE HOLDER	2	
F2-1,-2	EYF52BC	FUSE HOLDER	2	
IC1,C2	VI-J04-CY	IC	2	
IC3	TL062CPW	IC	1	
IC4,C5	TL1451CNS	IC	2	C0DBAMA00001
IC6	LM2577MX-ADJ	IC	1	C0CAAZH00001
IC8	UPC4560G	IC	1	
IC9	NJM555M	IC	1	C1ZBZ0000794
IC10,11	NJM2903M	IC	2	C0BBBA000019
IC12	MC74HC02AF	IC	1	C0JBAD000014
IC13,14	C0JBAA000099	IC	2	
IC15,16	NJM2903M	IC	2	C0BBBA000019
IC17	MC74HC02AF	IC	1	C0JBAD000014
IC18,19	C0JBAA000099	IC	2	
IC20	AN90B20S	IC	1	
IC21	AD22105AR	IC	1	
IC22	MC74HC165F	IC	1	
IC23	TC7S02F	IC	1	C0JBAD000065
IC24	AN7712SP	IC	1	
IC25,26	C0JBAZ000514	IC	2	
IC201,02	TL062CPW	IC	2	
IC203	C0JBAB000170	IC	1	
JP1	VMP5283	EARTH LUG	1	
L1	VLQ0297	COIL	1	
L2	J0JKC0000009	FILTER	1	
L3	VLQ0400	COIL	1	
L4,L5	VLQ0297	COIL	2	
L6	J0JKC0000009	FILTER	1	
L7	VLQ0400	COIL	1	
L8	VLQ0297	COIL	1	
L9,10	G0B352G00003	COIL	2	
L11	VLQ0297	COIL	1	
L12	J0JKC0000009	FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L13	VLQ0400	COIL	1	
L14-16	VLQ0297	COIL	3	
L17	VLQ0400	COIL	1	
L18	J0JKC0000009	FILTER	1	
L19	VLQ0297	COIL	1	
L20	J0JKC0000009	FILTER	1	
L21	VLQ0297	COIL	1	
L22	J0JKC0000009	FILTER	1	
L23	VLQ0400	COIL	1	
L24	VLQ0297	COIL	1	
L25	J0JKC0000009	FILTER	1	
L26-30	VLP0353	COIL	5	
L37-42	VLP0353	COIL	6	
L44	J0JKC0000009	FILTER	1	
L51-59	VLP0353	COIL	9	
L60	J0JKC0000009	FILTER	1	
L61	VLP0353	COIL	1	
L62	J0JKC0000009	FILTER	1	
P1	VJP4396B002	CONNECTOR (MALE)	1	
P2	VJP2824A002	CONNECTOR (MALE)	1	K1KA02A00009
P3	VJP2741B004	CONNECTOR (MALE)	1	K1KA04B00125
P4	VJP2741B020	CONNECTOR (MALE)	1	K1KA20B00029
P5	VJP2741A016	CONNECTOR (MALE) 16P	1	K1KA16A00139
P6	VJP2741A022	CONNECTOR (MALE)	1	K1KA22A00041
P9	VJP2741A006	CONNECTOR (MALE)	1	K1KA06A00212
Q1	2SD601A-R	TRANSISTOR	1	
Q2	UN2215	TRANSISTOR-RESISTOR	1	
Q3,Q4	2SD601A-R	TRANSISTOR	2	
Q5	2SB709A-R	TRANSISTOR	1	
Q6,Q7	2SJ245S	TRANSISTOR	2	
Q8	2SB709A-R	TRANSISTOR	1	
Q9	2SD601A-R	TRANSISTOR	1	
Q10	2SB709A-R	TRANSISTOR	1	
Q11,12	2SJ245S	TRANSISTOR	2	
Q13	2SB709A-R	TRANSISTOR	1	
Q14	2SD601A-R	TRANSISTOR	1	
Q15	2SB709A-R	TRANSISTOR	1	
Q16,17	2SJ245S	TRANSISTOR	2	
Q18	2SB709A-R	TRANSISTOR	1	
Q19	2SD601A-R	TRANSISTOR	1	
Q20	2SB709A-R	TRANSISTOR	1	
Q21,22	2SJ245S	TRANSISTOR	2	
Q23	2SD601A-R	TRANSISTOR	1	
Q24	2SB09560HL	TRANSISTOR	1	
Q25	2SD1280	TRANSISTOR	1	
R2	ER025CHF3303	M.RESISTOR 1/4W 330K	1	
R3	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R4	ER025CHF3303	M.RESISTOR 1/4W 330K	1	
R5	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R6	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R7	ERW2PKR10	W.RESISTOR 2W 0.1	1	
R8	ERJ3RBD432	M.RESISTOR CH 1/16W 4.3K	1	
R9	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R10,11	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	2	
R12	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R13	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R14	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R15	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R16	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R17	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R18	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R19	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R20	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R21	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R22	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R23	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R24	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R25	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R26	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R27	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R28	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R29	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R30	ERJ3RBD112	M.RESISTOR CH 1/16W 1.1K	1	
R31	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R33	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R34	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R35	ERJ3RBD623	M.RESISTOR CH 1/16W 62K	1	
R36	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R37	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R38	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R39	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R40	ERJ3RBD363	M.RESISTOR CH 1/16W 36K	1	
R41	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R42	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R43	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R44	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R45	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R46	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R47	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R48	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R49	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R50	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R51	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R52	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R53	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R54	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R55	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R56	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R57	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R58	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R60	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	1	
R61,62	ER025CHF5102	M.RESISTOR 1/4W 51K	2	
R65	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R66	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R67	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R68	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R69	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R71	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R72	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R73	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R74	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R75	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R76	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R77	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R78	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R79	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R80	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002D
R81	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R82	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R83	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R85	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R86	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R87	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R88	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R89	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R90	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R91-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	D0GB102JA002
R94	ERJ3RBD243	M.RESISTOR CH 1/16W 24K	1	
R95	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R96,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R102	ER025CHF1001	M.RESISTOR 1/4W 1K	1	
R103	ERJ6RBD513	M.RESISTOR CH 1/10W 51K	1	
R104	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	1	
R105,06	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R107	ERJ6RBD203	M.RESISTOR CH 1/10W 20K	1	
R108,09	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	2	
R110,11	ERJ6RBD152	M.RESISTOR CH 1/10W 1.5K	2	
R112	ER025CHF5102	M.RESISTOR 1/4W 51K	1	
R113	ERJ3GEYJ913	M.RESISTOR CH 1/16W 91K	1	
R114	ER025CHF5102	M.RESISTOR 1/4W 51K	1	
R115	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R116	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R117	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R118	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R119	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R120	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R121,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R125	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R126,27	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R128,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R130	ER025CHF5102	M.RESISTOR 1/4W 51K	1	
R131	ERJ3GEYJ913	M.RESISTOR CH 1/16W 91K	1	
R132	ER025CHF5102	M.RESISTOR 1/4W 51K	1	
R133	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R134	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R135	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R136	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R137	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	1	
R138	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R139,40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R143	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R144,45	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R146-49	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R150	ERJ6RBD203	M.RESISTOR CH 1/10W 20K	1	
R152-60	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	9	D0GB103JA002
R161,62	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R164,65	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R166	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R167	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R168,69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R170	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R171	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R172	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R201,02	ERJ3GEYJ303	M.RESISTOR CH 1/16W 30K	2	
R203,04	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R215,16	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	2	
R217	ERDS2TJ224	C.RESISTOR 1/4W 220K	1	
R218,19	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	2	
⚠ RY1	VSY1033	RELAY	1	K6B1CGA00047
⚠ TH1	D4FB1R100001	THERMISTOR	1	
⚠ TH2	VRT0152400	THERMITOR	1	D4ZZ00000004
⚠ TH3	D4FB1R100001	THERMISTOR	1	
VR1	VRV0062B502	V.RESISTOR 5K	1	D3CA45020003
		MISCELLANEOUS		
	VEE0M78	CABLE	1	
■ E5	VEP21249A	BS AC FILTER P.C.BOARD	1	(RTL)
⚠ C1	ECQU2A224MV	P.CAPACITOR 100V 0.22U	1	
⚠ C2,C3	VCK0262K101A	C.CAPACITOR 100P	2	F1BAH101A001
⚠ C4	ECQU2A224MV	P.CAPACITOR 100V 0.22U	1	
C5	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C6	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C8	EEVHB1V100	E.CAPACITOR 35V 10U	1	
C9,10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
D1	S3V60	DIODE	1	B0EAKR000020
D2	10E1	DIODE	1	
D3	MA152WK	DIODE	1	
D4	MA3082M	DIODE	1	
D5	MA152WA	DIODE	1	
D6	MA152K	DIODE	1	
F1	K5D402BK0002	FUSE	1	
F1-1,-2	EYF52BC	FUSE HOLDER	2	
IC1	NJM431U	IC	1	C0DBEZC00003
IC2	BA12ST	IC	1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ L1	ELF18D604F	FILTER	1	
P1	VJP2824A005	CONNECTOR (MALE)	1	K1KA05A00089
P2	VJP4396B002	CONNECTOR (MALE)	1	
P5	VJP2739A002	CONNECTOR (MALE)	1	K1KA02A00225
P6	VJP4396B002	CONNECTOR (MALE)	1	
P7	VJP2739A002	CONNECTOR (MALE)	1	K1KA02A00225
Q1	2SD601A-R	TRANSISTOR	1	
Q2	UN2113	TRANSISTOR-RESISTOR	1	
Q3	XN0460100L	TRANSISTOR-RESISTOR	1	
Q4	UN2212	TRANSISTOR-RESISTOR	1	
⚠ R1	ERC12AGM334	S.RESISTOR 1/2W 330K	1	
R2	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R5	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R6	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R7,R8	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R9	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R10	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R11-14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R15	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
⚠ RY1	VSY1033	RELAY	1	K6B1CGA00047
		MISCELLANEOUS		
	XSB3+8	SCREW	1	
	XWE3D8	WASHER	1	
	XWA3B	WASHER	1	
	XNG3BS	NUT	1	
	VEE0M72	CABLE	1	
	VEE0N58	CABLE	1	
■ E6	VEP20819A	BS FRONT P.C.BOARD	1	(RTL)
C1	ECA1EHG101	E.CAPACITOR 25V 100U	1	
C2	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3	ECA1CHG471	C.CAPACITOR 16V 470U	1	
C4,C5	ECST1EY155	T.CAPACITOR CH 25V 1.5U	2	
C6	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C7,C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C9	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C10,11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C13	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C15	ECST1AY106	T.CAPACITOR CH 10V 10U	1	
C16-18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C19	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C20,21	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C22-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C32	ECST1CY475	T.CAPACITOR CH 16V 4.7U	1	
C33-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C36	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D1	B0JCML000002	DIODE	1	
D2-D4	MA152K	DIODE	3	
D6,D7	LN28RPL	DIODE	2	
D8	LN38GPL	DIODE	1	
D9	LN48YPL	DIODE	1	
D10,11	LN38GPL	DIODE	2	
D12-14	MA714	DIODE	3	
IC1	NJM2360M	IC	1	
IC2	AN77L05M	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3	SN75C1168NS	IC	1	
IC4	AK6440AF	IC	1	
IC5	C0JBAZ000279	IC	1	
IC6	HD64F3048F16	IC	1	C2CBHF000009
IC7	AN90B20S	IC	1	
IC8	TC7W53F	IC	1	
IC9	C0JBAR000023	IC	1	
IC10	C0JBAA000076	IC	1	
IC11	C0EBH0000053	IC	1	
IC12,13	M66311FP	IC	2	C0HBZ0000021
ID6	VVVSI3552	SOFTWARE	1	
L1,L2	J0JKC0000009	FILTER	2	
L3	VLQ0797221K	COIL 220UH	1	
L4-L7	VLP0353	COIL	4	
L8-12	VLP0147	COIL	5	J0JBC0000041
L13,14	VLP0353	COIL	2	
L15,16	VLP0147	COIL	2	J0JBC0000041
L17	VLP0353	COIL	1	
P1	VJP4395D010	CONNECTOR (MALE)	1	
P2	VJP2739B005	CONNECTOR (MALE)	1	K1KA05B00106
P3	VJS3826A020	CONNECTOR (FEMALE)	1	
P4	VJP4395D011	CONNECTOR (MALE)	1	
Q2	UN2215	TRANSISTOR-RESISTOR	1	
Q3-Q5	2SB710A-S	TRANSISTOR	3	
R1	ERX12SJR22	M.RESISTOR 1/2W 0.22	1	
R2	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4,R5	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6,R7	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R8	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R9	ER025CHF1500	M.RESISTOR 1/4W 150	1	
R10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R14-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R23-26	EXB24V473J	COMBI.R-R 47K	4	
R27-34	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	8	
R35-40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R41-44	EXB24V473J	COMBI.R-R 47K	4	
R45-48	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	4	
R49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R50-57	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	8	
R58,59	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	2	
R60,61	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R62,63	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R64,65	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R66,67	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	2	
R68,69	ERJ3RBD303	M.RESISTOR CH 1/16W 30K	2	
R70	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R71,72	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R74	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R75	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R77	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R78	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R80	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R81	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R83	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R84	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R86	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R87	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R89	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R90	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R92	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R93	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R95	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R96	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R98	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R99	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R101	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R102	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R104	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R105	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R107	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R108	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R110	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R111	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R113	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R114	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R116	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R117	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R119	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R120	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R122	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R123	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R125	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	1	
R126	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	1	
R128-34	ERJ3GEYJ301	M.RESISTOR CH 1/16W 300	7	
R135	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW1	CMS-2202A	SWITCH	1	
SW2	K9AA020A0001	SWITCH	1	
SW3	VSS0367-08B	SWITCH	1	
SW4	VST0153	SWITCH	1	K0E112A00098
SW5	KSR1007	SWITCH	1	
SW6	KSR1005	SWITCH	1	
SW7	VST0152	SWITCH	1	K0E112A00094
SW8	K0F111A00397	SWITCH	1	
SW9	K0F111A00398	SWITCH	1	
SW10	K0F111A00399	SWITCH	1	
SW11	VSP0853A004	SWITCH	1	K0F111A00239
SW12	K0F111A00400	SWITCH	1	
SW13	K0F111A00401	SWITCH	1	
SW14-20	VSP0853A000	SWITCH	7	K0F111A00235
SW21	VSP0853A001	SWITCH	1	K0F111A00236
SW22	VSP0853A002	SWITCH	1	K0F111A00237
SW23-25	VSP0853A000	SWITCH	3	K0F111A00235
⚠ TH1	D4FB1R100001	THERMISTOR	1	
VR1-R5	VRV0118B103	V.RESISTOR 10K	5	
VR6	D2BDA14B0004	V.RESISTOR 10K	1	
VR7-10	VRV0118B103	V.RESISTOR 10K	4	
X1	VSX0624	CRYSTAL OSCILLATOR	1	H2C800400001
		MISCELLANEOUS		
	VMX2148	LED SPACER	6	
■ E7	VEP21251A	BS POWER IF P.C.BOARD	1	(RTL)
P2001	SDCB-37S	CONNECTOR	1	
P2002	VJP2741A016	CONNECTOR (MALE) 16P	1	K1KA16A00139
P2003	VJP2741A022	CONNECTOR (MALE)	1	K1KA22A00041
P2004	VJP2739B002	CONNECTOR (MALE)	1	K1KA02B00127
■ E8	VEP24163A	BS ICOM P.C.BOARD	1	(RTL)
C1001	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C1002	ECST1CY685Z	T.CAPACITOR CH 16V 6.8U	1	
C1003	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1004	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1005	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1006	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C1007	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C1008	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1009	ECST1CC226	T.CAPACITOR CH 16V 22U	1	
C1010	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C1012	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C1013	ECST1EC106	T.CAPACITOR CH 25V 10U	1	
C1014,15	ECST1CY225	T.CAPACITOR CH 16V 2.2U	2	
C1016	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
D1001	LN38GPL	DIODE	1	
D1002-04	LN28RPL	DIODE	3	
D1005,06	LN38GPL	DIODE	2	
IC1001	AN77L08M	IC	1	
IC1002	UPC4570G2	IC	1	C0ABBB000016
IC1003	AN77L08M	IC	1	
IC1004	UPC4560G	IC	1	
L1005	J0JKC0000009	FILTER	1	
L1008,09	J0JKC0000009	FILTER	2	
P1001	VJP2741A020	CONNECTOR (MALE)	1	K1KA20A00056
P1002	VJP2741A006	CONNECTOR (MALE)	1	K1KA06A00212
R1001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	D0GB102JA002
R1002	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R1003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1004,05	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R1006	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1007	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1008	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1009	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1010,11	ERJ3GEYJ513	M.RESISTOR CH 1/16W 51K	2	
R1012,13	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R1014-16	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1017-28	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	12	
R1029,30	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R1031-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R1034	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
SW1001	M-2019L/S-P4	SWITCH	1	
SW1002	CMS-2202A	SWITCH	1	
SW1003	VST0153	SWITCH	1	K0E112A00098
SW1004	VSP0853A004	SWITCH	1	K0F111A00239
SW1005	VSP0853A003	SWITCH	1	K0F111A00238
SW1006	VST0152	SWITCH	1	K0E112A00094
VR1001	VRV0303B104A	V.RESISTOR 100K	1	
VR1002,03	VRV0118B102	V.RESISTOR 1K	2	
XD1001-06	VMX2148	LED SPACER	6	
		MISCELLANEOUS		
	VMA0M49	SWITCH ANGLE A	1	
	XWE6	WASHER	8	
■ E9	VEP20840B	BS AUDIO CN P.C.BOARD	1	(RTL)
J103	VJS3826A010	CONNECTOR (FEMALE)	1	
J205,06	VJP2666	CONNECTOR	2	K1AA103A0001
R2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E10	VEP20833A	BS COMM P.C.BOARD	1	(RTL)
J102	VJS3826C024	CONNECTOR (FEMALE)	1	
J204	VJP3277A024	COMMUNICATION CONNECTOR	1	K1AA124H0003
■ E11	VEP20832A	BS REAR P.C.BOARD	1	(RTL)
C1-C5	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	
C6,C7	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8,C9	EEVHB1A101P	E.CAPACITOR 10V 100U	2	
CR1	1SS355TE17	DIODE	1	B0ACCK000005
J101	VJS3826C030	CONNECTOR (FEMALE)	1	
L1,L2	A921CY-470M	FILTER	2	
L3	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L4	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L6	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L7	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L8	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L10	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L14	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L16	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L18	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L22	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L24	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L26	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L27	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L28	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L30	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L32	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L34	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
Q1	2SC2295-C	TRANSISTOR	1	
R1	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R7	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R8,R9	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
U1	C0JBAR000264	IC	1	
U2	C0ABBB000158	IC	1	C0ABBA000045
U3	AD847JR	IC	1	C0ABAB000065

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E12	VEP26248A	BS ECU LED P.C.BOARD	1	(RTL)
D1-D3	LA-301MBM	DIODE	3	B3BB1C000001
W1	VEE0L88	CABLE	1	

ELECTRICAL REPLACEMNT PARTS LIST (AJ-RP900P/EN)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP21252A	RPT-PS P.C.BOARD	1	(RTL)
■ E2	VEP27217A	RPT-RF P.C.BOARD	1	(RTL)
■ E3	VEP20839B	DUPLEXER P.C.BOARD	1	(RTL)
■ E4	VEP20839A	DUPLEXER P.C.BOARD	1	(RTL)
■ E5	VEP23526A	PRT-SDI P.C.BOARD	1	(RTL)
■ E1	VEP21252A	PRT-PS P.C.BOARD	1	(RTL)
C04,05	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
⚠ F1	K5JJBB000012	BREAKER	1	
J5	VJP3950F004	CONNECTOR	1	
J6	VJP3950F002	CONNECTOR	1	
■ E2	VEP27217A	RPT-RF P.C.BOARD	1	(RTL)
C01	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C02	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C03	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C04	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
C06	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C08,09	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	2	
C10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C11	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C12	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C13,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C15	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C16,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C18	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C19	ECUX1H1R5CCV	C.CAPACITOR CH 50V 1.5P	1	
C21	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C23	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C24	EEVHB1A101P	E.CAPACITOR 10V 100U	1	
C26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C27	EEVHB1A101P	E.CAPACITOR 10V 100U	1	
C28-30	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	3	F1H1H102A009
J5	VJP3950F004	CONNECTOR	1	
J6	VJP3950F002	CONNECTOR	1	
R01,02	ERJ3GEYJ910	M.RESISTOR CH 1/16W 91	2	
R05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R08,09	ERJ3GEYJ910	M.RESISTOR CH 1/16W 91	2	
R10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R13	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R18	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R19	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	
R20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E3	VEP20839B	DUPLEXER P.C.BOARD	1	(RTL)
C01	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C02	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C03,04	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C05	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C06	ECUX1H1R5CCV	C.CAPACITOR CH 50V 1.5P	1	
C07	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	1	
C08,09	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	2	
C10	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C11	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	
C12	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C13	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C14	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C15	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C16	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C17	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C18	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
■ E4	VEP20839A	DUPLEXER P.C.BOARD	1	(RTL)
C01	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C02	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C03,04	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C05	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C06	ECUX1H1R5CCV	C.CAPACITOR CH 50V 1.5P	1	
C07	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C08,09	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	2	
C10	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C11	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	
C12	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C13	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C14	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C15	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C16	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C17	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C18	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
■ E5	VEP23526A	RPT-SDI P.C.BOARD	1	(RTL)
C01	EEVHB1A101P	E.CAPACITOR 10V 100U	1	
C02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C03,04	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C05	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C06-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C11	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C12	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C13	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C14-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C24,25	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C26,27	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C28,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
J3	VJP3950F003	CONNECTOR	1	
J4	VJP3950F002	CONNECTOR	1	
R01-04	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	4	
R05,06	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R07	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R08	ERJ6GEYJ510	M.RESISTOR CH 1/10W 51	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R09-12	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	4	
R13	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R14	ERJ6GEYG361	M.RESISTOR CH 1/10W 360	1	
R15	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R16-19	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	4	
R20	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R21	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R22	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R23	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	1	
R24	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	
R25	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	1	
R26	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R27	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R29	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R30	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R31	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R32	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R33	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
RM1	EXBV8V103J	COMBI.R-R 10K	1	
RV1	ERJ6GEYJ910	M.RESISTOR CH 1/10W 91	1	
U3	C1AB00000379	IC	1	
U4	UPC271G	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMNT PARTS LIST (AJ-YA901P/EN)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP23517A	BS SDI P.C.BOARD	1	(RTL)
■ E1	VEP23517A	BS SDI P.C.BOARD	1	(RTL)
C25	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C26	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C28	ECST1VY105Z	T.CAPACITOR CH 35V 1U	1	
C29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C30	ECST1CY475ZR	T.CAPACITOR CH 16V 4.7U	1	
C31,32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C33,34	ECST1CX106	T.CAPACITOR CH 16V 10U	2	
C35,36	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C37,38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C39	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C41	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C42	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C43,44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C45,46	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C47,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C49	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C51	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C52	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C53,54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C55,56	ECST1AY106Z	T.CAPACITOR CH 10V 10U	2	
C57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C60-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C71,72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C73-75	ECST1AY106Z	T.CAPACITOR CH 10V 10U	3	
C76,77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C78	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C79-88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C89,90	ECST1CD686	T.CAPACITOR CH 16V 68U	2	
C91-93	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C94,95	ECST1CD686	T.CAPACITOR CH 16V 68U	2	
C96	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C97	ECST1CC226	T.CAPACITOR CH 16V 22U	1	
C98	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C99	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C101	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C102,03	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C104	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C105	ECST1CC226	T.CAPACITOR CH 16V 22U	1	
C106	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C107	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C109	ECST1CC336	T.CAPACITOR CH 16V 33U	1	
C110,11	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C112	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C113	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C114	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C115	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C116	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C117,18	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C119	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C120,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C122	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C123	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C124	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C125,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C127	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C128	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C129	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C130,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C132	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C133,34	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	
C155	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C156	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C157	ECST1CX106	T.CAPACITOR CH 16V 10U	1	
C158	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C163	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C164	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C180	ECCF1H330J	E.CAPACITOR 50V 33U	1	
D1,D2	MA152K	DIODE	2	
D3	MA3047	DIODE	1	
FL1,L2	F1L1H2040004	C.CAPACITOR 50V 0.1U	2	
FL5	VLF1507	FILTER	1	
IC6	M51951BML	IC	1	
IC7	C0JBAA000076	IC	1	
IC8	VSI3488A	IC	1	
IC9,10	VY21338	IC	2	
IC11-13	TC7WH125FU	IC	3	C0JBAZ000874
IC18	C0JBZZ000140	IC	1	
IC19	VSI3487	IC	1	
IC21-23	TC7WH125FU	IC	3	C0JBAZ000874
IC25	NJM062V	IC	1	
IC26	NJM431U	IC	1	C0DBEZC00003
IC27	PLL1700E	IC	1	C0ZBZ0000363
IC28	MC14053BDT	IC	1	C0JBAZ001348
IC29,30	NJM2904M	IC	2	
IC31	AK5340VS	IC	1	C0FBAZ000004
IC32	T74HCT541AF	IC	1	
IC33	GS9023-CFY	IC	1	
IC34	C1AB00000367	IC	1	
J1,J2	VJP3461	CONNECTOR (MALE)	2	K1QZA1BA0001
L7-12	VLP0147	COIL	6	
L15-19	VLP0147	COIL	5	
L20	VLQ0163J100	COIL 10UH	1	G1C100J00001
L21-23	VLP0147	COIL	3	
L24,25	ELJRE8N2JF2	COIL	2	
L26	VLP0147	COIL	1	
P1	VJP4064Q160	CONNECTOR (MALE)	1	K1KBG0B00002
P2	VJS3826A020	CONNECTOR (FEMALE)	1	
P3	VJP3950F007	CONNECTOR	1	
Q3	2SB956-S	TRANSISTOR	1	
R1-20	EXB24V100J	COMBI.R-R 10	20	
R21	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R22,23	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R24	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R26	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R27	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R28	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R30	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R37-42	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	6	
R43	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R44,45	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R49-58	EXB24V100J	COMBI.R-R 10	10	
R60-68	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	9	
R70	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R72-78	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R81	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R82	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R83	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R84	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R85,86	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R88	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R90	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R92,93	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R94	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R95	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R96,97	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R98,99	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R100	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R101	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R102	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R104,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R106	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R107	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R108,09	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R110,11	ERJ3RBD331	M.RESISTOR CH 1/16W 330	2	
R115-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R121-24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131-41	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	11	
R143	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R144	ERJ3RHD3740	M.RESISTOR CH 1/16W 370K	1	
R145	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R147	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R148-51	ERJ3RED750	M.RESISTOR CH 1/16W 75	4	
R230	ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R231-34	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	4	
R235	ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
SW1	VSS0367-02B	SWITCH	1	
TP1-P5	EYF6CU	TEST POINT	5	
TP6,P7	VJR0235	TEST POINT	2	K9ZZ00000706
X1	VSX1046	CRYSTAL OSCILLATOR	1	H2C8004A0001
		MISCELLANEOUS		
	VML3560	CARD PULLER	1	
	XSB2+6FX	SCREW	2	
	HD64F3048F16	IC	1	C2CBHF000009

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMNT PARTS LIST (AJ-YA600P)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP20836A	CAM SPACER P.C.BOARD	1	(RTL)
■ E2	VEP20838A	CAM FLEX P.C.BOARD	1	(RTL)
■ E1	VEP20836A	CAM SPACER P.C.BOARD	1	(RTL)
J1	PCX-EB68LMD	CONNECTOR	1	
J2	VJP4395D004	CONNECTOR (MALE)	1	
J3	VJP4395D005	CONNECTOR (MALE)	1	
J4	VJP4395D008	CONNECTOR (MALE)	1	
J5	WR-70S-VF-1	CONNECTOR	1	
L1	VLP0353	COIL	1	
L2	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L3	VLP0353	COIL	1	
L4	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L5	VLF1147A121	FILTER	1	
L6	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L7	VLF1147A121	FILTER	1	
L8	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L9	VLF1147A121	FILTER	1	
L10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L11	VLF1147A121	FILTER	1	
L12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L13	VLF1147A121	FILTER	1	
L14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
L15	VLF1147A121	FILTER	1	
L16-28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	13	
R1-R4	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
		MISCELLANEOUS		
	VSC5338	SHIELD PLATE	1	
	VSC5315	INSULATION SHEET (2)	1	
	XYN2+J6	SCREW	2	
	XSB25+5FX	SCREW	4	
■ E2	VEP20838A	CAM FLEX P.C.BOARD	1	(RTL)
P104	WR-70P-VF-1	CONNECTOR	1	
P204	WR-70S-VFH30	CONNECTOR	1	